



Berkeley Lab **OCFO**
2011 Annual Report



Office of the Chief Financial Officer
Lawrence Berkeley National Laboratory

BERKELEY LAB OCFO 2011 ANNUAL REPORT

Ernest Orlando Lawrence Berkeley National Laboratory
University of California
Berkeley, California

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OCFO Office of the Chief Financial Officer

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Front Cover: Since Berkeley Lab's founding, 13 Lab researchers have been awarded the Nobel Prize. Top Row (left to right): Edwin M. McMillan (1951), George F. Smoot III (2006), Steven Chu (1997), Emilio G. Segrè (1959), Glenn T. Seaborg (1951), Yuan T. Lee (1986); Middle Row (left to right): Melvin Calvin (1961), Owen Chamberlain (1959), Luis W. Alvarez (1968), Ernest Orlando Lawrence (1939), Donald A. Glaser (1960); Bottom: Intergovernmental Panel on Climate Change (IPCC) with Albert Gore (2007); Forefront (in color): Saul Permuter.

Chief Financial Officer's Statement	1
Office of the Chief Financial Officer	3
Lawrence Berkeley National Laboratory (LBNL), University of California	4
1. Institutional Information	5
Where Did Your Program Dollars Go in FY2011 Figure 1.1	6
Cost Trends by Expense Category, FY2007 - FY2011 (\$M and % of Total) Table 1.1	7
Direct Cost Trends by Division, FY2007 - FY2011 (\$K) Table 1.2	8
Costs by Direct Funding Source by Division, FY2011 (\$K) Table 1.2a	9
Costs by Direct Funding Source by Division, FY2010 (\$K) Table 1.2b	10
Costs by Direct Funding Source by Division, FY2009 (\$K) Table 1.2c	11
Costs by Direct Funding Source by Division, FY2008(\$K) Table 1.2d	12
Costs by Direct Funding Source by Division, FY2007 (\$K) Table 1.2e	13
Indirect Budget Costs by Division, FY2011(\$K) Table 1.3	14
Average FTE Breakdown by Division, FY2011 (\$K) Table 1.4	15
Funds Held for Others Cost Trends, FY2007 - FY2011 (\$K) Table 1.5	16
2. Direct Funding — DOE and Reimbursable Work	17
LBNL Funding Trends (BA) by Funding Source (\$K) Table 2.1	20
LBNL Cost Trends by Funding Source (\$K) Table 2.2	22
LBNL Funding and Costs by Funding Source (\$K) Table 2.3	24
FY2011 Funding and Costs by DOE Programs (\$K) Table 2.4 (a-f)	26
FY2011 Funding and Costs by Other Direct Operating Source (\$K) Table 2.5	35
FY2011 Funding and Cost Trends by Other Direct Operating Source (\$K) Figure 2.1	37
3. American Recovery and Reinvestment Act of 2009 (ARRA)	39
LBNL ARRA Fund Trends (BA) by Funding Source (\$K) Table 3.1	40
LBNL ARRA Cost Trends by Funding Source (\$K) Table 3.2	41
Where Did Your ARRA Program Dollars Go in FY2011? Figure 3.1	42
FY2011 ARRA Funding and Costs by DOE Programs (\$K) Table 3.3	43
FY2011 ARRA Funding and Costs by Other Direct Operating Source (\$K) Table 3.4	46
ARRA Cost Trends by Expense Category, FY2010-FY2011 (\$M and % of Total) Table 3.5	47
ARRA Job Reporting Table 3.6	48

Table of Contents *Continued*

4. Indirect Budgets.....	55
Indirect Budgets — FY2011 Costs (\$M) Figure 4.1	56
Institutional Overhead Costs as a Percent of Operating Costs, FY2007 - FY2011 Figure 4.2	57
Institutional Costs by Division, FY2011 (\$K) Table 4.1	58
Institutional FTEs Charged by Division, FY2011 Table 4.2	59
Payroll Burden Summary (\$M) Figure 4.3	60
Gross Payroll Summary (\$M) Figure 4.4	60
Organizational Burden Costs and FTEs Table 4.3	61
Service Center Costs and FTEs Table 4.4.....	62
Distributed Recharges by Resource Category Trends — FY2007-FY2011 (\$K) Table 4.5.....	63
5. Financial Statement	65
Balance Sheet Comparative Statement of Financial Position (in \$K) Table 5.1	66
Summary of Significant Accounting Policies Note 1	67
Accounts Receivable Note 2	68
Inventories Note 3	68
Other Current Assets Note 4.....	68
Net Plant and Equipment Note 5	69
Drafts Payable Note 6.....	69
Environmental Liability Note 7.....	70
Capital Leases Note 8.....	70
Environment, Safety and Health (ES&H) Liability Note 9.....	70
Year-end Adjustments Note 10	71
6. Procurement and Property Management.....	73
Requisitions Submitted by Laboratory Divisions Table 6.1	74
Purchases Placed Using Purchase Orders/Subcontracts Table 6.2.....	75
Purchases Placed Using P-Card Table 6.3.....	75
Laboratory Socioeconomic Performance Table 6.4	75
Property Management Activity Table 6.5.....	76
7. Acronyms and Key Terms.....	77

FY2011 was a very busy and exciting year for the Office of the Chief Financial Officer (OCFO) at Lawrence Berkeley National Laboratory (LBNL). The Division continued implementation, and completed several of the initiatives that align with the priorities set forth by Director Paul Alivasatos in FY2010. In working on some of these initiatives, employees in the OCFO and from across the Laboratory were asked to take on complex new challenges. I am extremely grateful and proud of their collective efforts. The OCFO also moved 125 core staff to a new site in Emeryville. Having many of our staff together on one floor has had many beneficial effects including substantially increased collaboration and team efforts. It is also worth noting that the OCFO accomplished this move injury-free due to very effective pre-move planning by OCFO staff working in conjunction with our Environmental Health & Safety (EH&S) colleagues.

ACCOMPLISHMENTS & FUTURE PLANS

The Financial Systems Modernization (F\$M) Project

In the support of one of the Laboratory's five strategic goals of safe and efficient operations of LBNL, the OCFO spearheaded the Financial Systems Modernization (F\$M) project with executive sponsorship from the Laboratory Director. F\$M's objective is to produce substantial, measurable increases in operational effectiveness and efficiencies that support LBNL's scientific and business operations.

This two-phased project was launched in February 2010 with the execution of Phase I. In Phase I, the project team assessed the current state, documented unmet stakeholder needs, assessed and prioritized processes for re-engineering, and documented and re-engineered high priority business and financial processes. The team also developed functional requirements, created a road map for process and application modernization, built a business case for the implementation phase (Phase II) and developed a plan for governance and organization change management.

To support the F\$M project team in its Phase I effort, Booz Allen Hamilton (BAH) was engaged to provide expertise in financial process re-engineering and system design. Guided by BAH's stakeholder engagement approach, the team conducted 98 meetings that included discovery sessions, validation sessions, and status update sessions. Two surveys through the different stages of Phase I took place and feedback was solicited from at least 200 individual stakeholders over a seven-month period. In addition, the team obtained an independent

evaluation of the Phase II business case from a team of external reviewers and senior scientists from throughout the Laboratory.

This phase has resulted in a Statement of Work that incorporates functional requirements for both systems and processes. Success of the proposed solution would be characterized by increased operational efficiency, higher end-user and stakeholder satisfaction, and more useful reporting/decision support capabilities. In early FY2012, LBNL's senior management team will make a decision on whether to proceed with Phase II.

Procure to Cost (P2C) Re-engineering

In 2011, this cross functional team completed a comprehensive evaluation of the Work for Other (WFO) process and presented several recommendations for improvement to the OCFO management team for their review. Although the most significant improvement recommendations are subject to the Financial Systems Modernization (F\$M) project review and prioritization process, OCFO management is currently evaluating interim steps to enhance the end-to-end process and services provided to the divisions.

Lien Reduction Initiatives

The OCFO conducted a self-assessment on the status of purchase order liens during FY2011. The objective of this project was to analyze and address user concerns on the reliability of lien data, to implement effective programs to identify and correct any system and data issues, and to avoid impacting the user. At the start of the fiscal year a survey of financial system users identified several areas for improvement. This feedback initiated comprehensive and coordinated cross-functional efforts to improve lien business processes and systemic lien issues.

Chief Financial Officer's Statement Continued

As a result of these actions, lien data systems and PO-related reports have been corrected and/or improved, and older, dormant POs closed out so that the number of active POs was reduced by over 25%. A follow-up user survey conducted at the end of the fiscal year indicated that a greater portion of users believe that lien data is more accurate, that they find it easier to get access to accurate lien data, and that they better understand lien-related processes. Additional PO closeout process improvements — including further automation and capture of key operational metrics — are being evaluated for implementation in the near future.

Electronic Sponsored Research Administration (eSRA)

Using the vendor, Huron, the OCFO was able to successfully develop and implement Phase I of eSRA. eSRA allows the Laboratory's divisions and the Office of Sponsored Projects and Industry Partnerships (OSPIP) to enter proposal information for the National Institutes of Health (NIH) proposals into the system. Once approved, these proposals are electronically transmitted directly to Grants.gov. This reduces duplicate data entry because the data entered into eSRA feeds directly into many NIH forms, making the process more efficient. Previously, this data had to be re-entered into each form. Additional efficiencies have been realized because eSRA enables electronic routing and approvals of the proposal by the PI, Division Director, and OSPIP which previously had to be printed, hard signed, scanned and emailed for each approver.

The OCFO is currently working with Huron to build similar functionality and efficiencies for other sponsor types. The award portion of eSRA and the interface with the Financial Management System (FMS) will also be built in FY2012.

MAKING CONNECTIONS

Local Business Connections

The OCFO made significant strides this year in support of the Director's Community Relations initiative. The Procurement Department developed a Local Purchasing Outreach (LPO) program creating positive community relations through outreach and maximizing local business participation on strategic initiatives and projects. The program's emphasis on enhanced outreach to businesses and organizations in Berkeley and the greater Bay Area led to many subcontracting opportunities for local businesses, and resulted in several success awards for the Laboratory. As the Laboratory continues to broaden its local community presence, effort is underway to reach out to trade organizations and local Chambers of Commerce in the Berkeley and Emeryville vicinity as well as other locations.

Cirque du Science's Successful Community Outreach

Approximately 4,500 community members, including many children, made their way to the Laboratory for a day of science education during the Laboratory's open house, "Cirque du Science". The OCFO Conference Services Department played a lead role in making sure the event was a huge success.

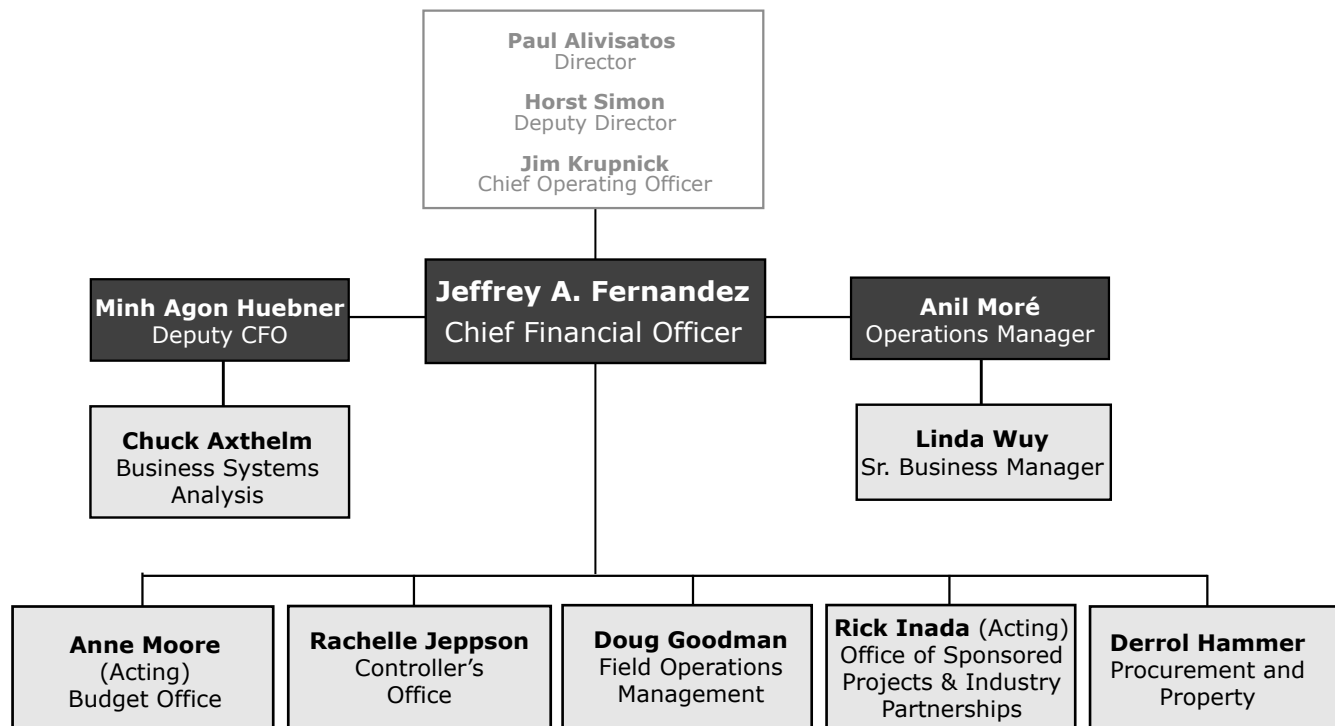
Training & Development

The OCFO Training Department focused on creating courses that are both valued and efficient. Through blended learning approaches, they revised courses in procurement requisitions and financial management practices resulting in both improved quality of learning, and over 300 person-days of savings in FY2011. An eLearning course to support the rollout of purchase cards (PCards) to divisions was also developed. This PCard course was showcased at the 2011 DevLearn conference where it received many compliments for its quality and innovation in development.

As I look back with pride at our accomplishments in FY2011, I also look forward to continued improvements and efficiencies to enhance the service the OCFO provides to the scientific and operational communities.

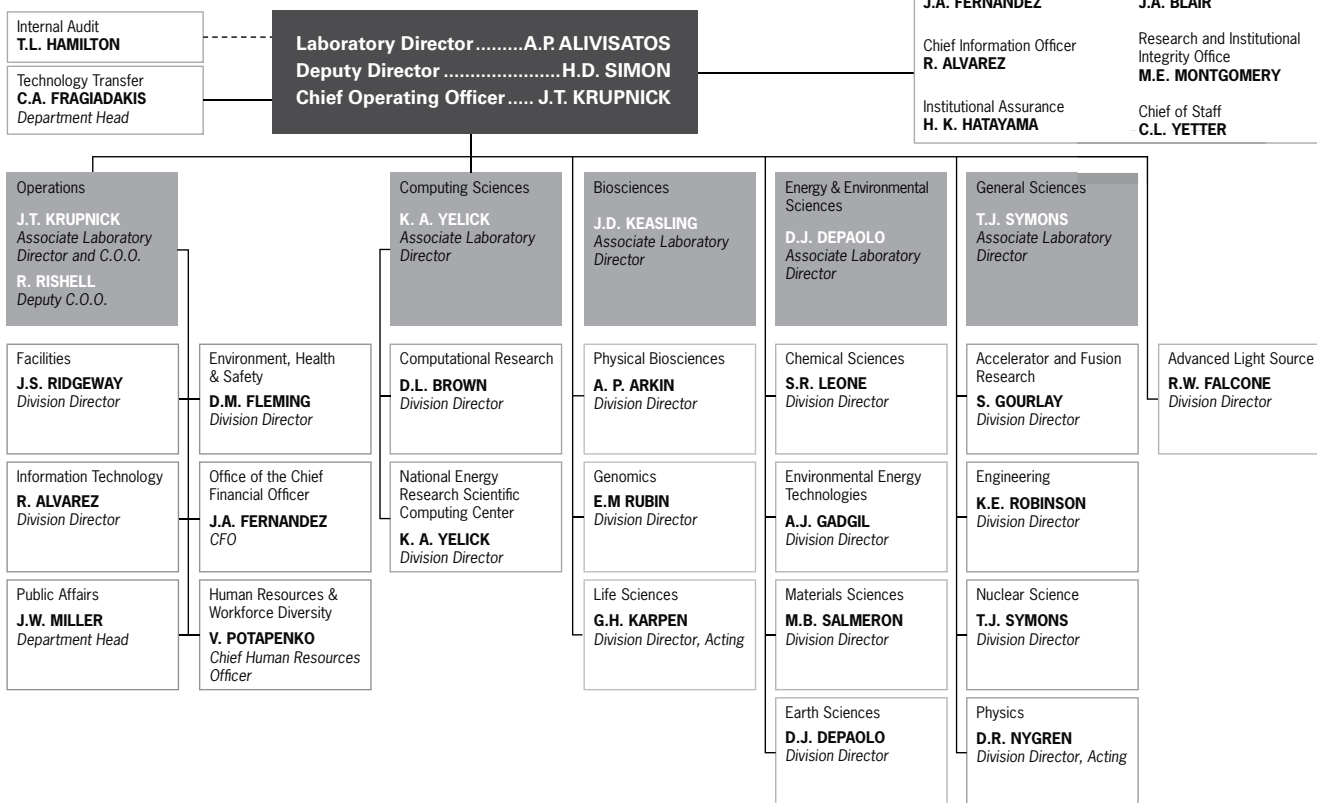
Sincerely,

Jeffrey A. Fernandez
Chief Financial Officer

Office of the Chief Financial Officer

Lawrence Berkeley National Laboratory (LBNL), University of California

Ernest Orlando Lawrence Berkeley National Laboratory University of California



1.

INSTITUTIONAL INFORMATION

Figure 1.1

Where Did Your Program Dollars Go in FY2011?

Expenses	LBNL Cost Breakdown per Dollar			
	DOE Operating Costs	DOE Integrated Contractors Costs	Construction and Equipment	WFO Non-DOE
DIRECT				
Direct Labor:				
University of California (UC) Labor (a)	\$0.34	\$0.36	\$0.13	\$0.36
Contract Labor	\$0.00	\$0.00	\$0.00	\$0.00
Organization Burden (b)	\$0.05	\$0.06	\$0.02	\$0.07
Subtotal Direct Labor	\$0.39	\$0.41	\$0.15	\$0.43
Other Direct:				
Services	\$0.26	\$0.15	\$0.39	\$0.16
Materials	\$0.07	\$0.06	\$0.37	\$0.07
Utilities	\$0.02	\$0.00	\$0.00	\$0.01
Other Expenses (c)	\$0.01	\$0.00	\$0.00	\$0.02
Recharges (b,d)	\$0.02	\$0.10	\$0.01	\$0.03
Travel	\$0.02	\$0.02	\$0.00	\$0.02
Subtotal Other Direct	\$0.38	\$0.33	\$0.77	\$0.53
Total Direct	\$0.77	\$0.75	\$0.92	\$0.72
INDIRECT				
Procurement	\$0.01	\$0.01	\$0.02	\$0.01
Travel	\$0.00	\$0.00	\$0.00	\$0.00
G&A (Other Institutions.)	\$0.22	\$0.24	\$0.06	\$0.27
Total Indirect	\$0.23	\$0.25	\$0.08	\$0.28
Total Expenses	\$1.00	\$1.00	\$1.00	\$1.00

Note: Minor variances may occur due to rounding.
(a) UC Labor includes salary and benefits for Scientists/Engineers, Administrators., Students/GSRAs and Campus Labor.
(b) Distributed activities used by direct funded programs.
(c) Includes miscellaneous expenses (stipends, sales tax, freight, etc.).
(d) Includes recharges credited back to direct operating accounts such as ALS and ESnet.

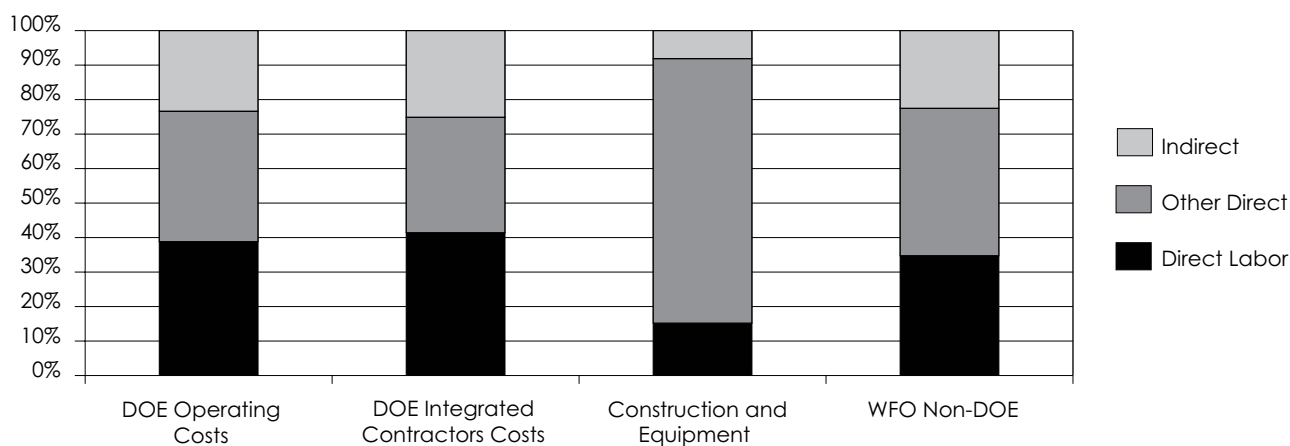


Table 1.1

Cost Trends by Expense Category, FY2007 - FY2011 (\$M and % of Total)

Expenses	FY2007		FY2008		FY2009		FY2010		FY2011	
	\$M	%	\$M	%	\$M	%	\$M	%	\$M	%
DIRECT										
Direct Labor:										
UC Labor (a)	180.3	34.9%	191.7	32.5%	206.8	31.9%	237.2	29.2%	264.3	31.6%
Contract Labor	1.3	0.3%	1.2	0.2%	1.9	0.3%	1.4	0.2%	1.1	0.1%
Organization Burden (b)	29.8	5.8%	30.4	5.2%	33.0	5.1%	37.1	4.6%	40.0	4.8%
Subtotal Direct Labor	211.4	40.9%	223.3	37.9%	241.7	37.3%	275.7	34.0%	305.5	36.5%
Other Direct:										
Services	84.0	16.3%	117.2	19.9%	140.7	21.7%	203.3	25.1%	213.6	25.5%
Materials	68.0	13.2%	82.1	13.9%	78.3	12.1%	120.6	14.9%	86.6	10.4%
Utilities	6.2	1.2%	7.3	1.2%	8.0	1.2%	8.3	1.0%	10.8	1.3%
Other Expenses (c)	2.7	0.5%	2.8	0.5%	4.0	0.6%	4.5	0.6%	5.6	0.7%
Recharges (b,d)	8.4	1.6%	8.9	1.5%	14.1	2.2%	14.3	1.8%	15.6	1.9%
Travel	7.9	1.5%	9.4	1.6%	9.3	1.4%	11.7	1.4%	12.9	1.5%
Subtotal Other Direct	177.2	34.3%	227.7	38.6%	254.4	39.3%	362.8	44.7%	345.1	41.3%
Total Direct	388.5	75.2%	451.0	76.5%	496.0	76.6%	638.5	78.7%	650.5	77.8%
INDIRECT										
Procurement	7.4	1.4%	8.2	1.4%	7.3	1.1%	8.5	1.0%	8.3	1.0%
Travel	0.9	0.2%	1.2	0.2%	1.3	0.2%	1.5	0.2%	1.6	0.2%
G&A (Other Institutions.)	119.6	23.2%	129.2	21.9%	143.0	22.1%	162.5	20.0%	175.7	21.0%
Total Indirect	127.8	24.8%	138.5	23.5%	151.7	23.4%	172.5	21.3%	185.6	22.2%
TOTAL EXPENSES	516.4	100.0%	589.5	100.0%	647.7	100.0%	811.1	100.0%	836.1	100.0%
Note: Minor variances may occur due to rounding. (a) UC Labor includes salary and benefits for Scientists/Engineers, Administrators., Students/GSRA's and Campus Labor. (b) Distributed activities used by direct funded programs. (c) Includes miscellaneous expenses (stipends, sales tax, freight, etc.). (d) Includes recharges credited back to direct operating accounts such as ALS and ESnet.										

Table 1.2

Direct Cost Trends by Division, FY2007 - FY2011 (\$K)

Division	FY2007	FY2008	FY2009	FY2010	FY2011
Accelerator & Fusion Research	28,099	26,042	28,139	39,175	52,669
Advanced Light Source	48,906	51,508	49,662	57,656	63,453
Chemical Sciences	14,877	17,002	15,694	17,715	17,965
Computing Sciences	77,355	101,133	103,461	128,123	143,316
Information Technology	3,391	3,634	3,100	3,380	3,570
Environmental Energy Technologies	45,763	52,004	58,795	82,493	102,721
Engineering	8,429	13,351	8,306	5,929	4,014
EH&S	5,493	3,490	3,270	2,806	2,504
Earth Sciences	29,856	31,027	34,240	44,300	55,550
Facilities	12,244	17,076	43,839	64,299	36,450
Genomics	10,437	8,731	6,208	5,994	6,360
Genomics - JGI	45,461	50,839	51,135	77,375	67,023
Life Sciences	51,929	56,872	59,835	62,290	59,118
Materials Sciences	50,657	55,835	63,386	72,722	76,397
Nuclear Science	28,098	26,774	33,566	34,598	37,753
Physical Biosciences	25,228	44,219	52,015	66,258	65,928
Physics	30,373	29,984	32,139	44,751	40,219
Lab Directorate/Other	730	858	903	1,112	991
Other (a)	(947)	(880)	58	88	92
DIVISION TOTAL	516,382	589,499	647,749	811,062	836,095

Note: Minor variances may occur due to rounding.

(a) Primarily Work for Other charge to offset Safeguards and Security activities FY2006 - FY2008.

Table 1.2a

Costs by Direct Funding Source by Division, FY2011 (\$K)

Division	FY2011						
	DOE Operating	DOE Integrated Contractors Costs	WFO Federal	WFO Non-Federal	Operating Subtotal	Capital and Equipment	Total
Accelerator & Fusion Research	21,528	1,055	1,781	977	25,341	27,328	52,669
Advanced Light Source	51,267	137	-	879	52,283	11,170	63,453
Chemical Sciences	15,068	120	2,042	45	17,275	691	17,965
Computing Sciences	133,114	2,236	2,593	2,365	140,308	3,007	143,316
Information Technology	2,400	-	-	154	2,554	1,016	3,570
Environmental Energy Technologies	78,124	2,940	7,202	13,763	102,029	693	102,721
Engineering	162	871	1,666	1,022	3,721	293	4,014
EH&S	2,504	-	-	-	2,504	-	2,504
Earth Sciences	39,342	1,962	2,754	10,565	54,622	928	55,550
Facilities	8,362	-	-	-	8,362	28,088	36,450
Genomics	134	-	4,673	1,553	6,360	-	6,360
Genomics - JGI	63,172	-	132	757	64,061	2,962	67,023
Life Sciences	10,656	-	38,878	9,110	58,644	474	59,118
Materials Sciences	59,974	72	2,775	6,441	69,261	7,137	76,397
Nuclear Science	22,392	1,826	3,680	937	28,834	8,919	37,753
Physical Biosciences	52,004	325	3,562	6,013	61,904	4,024	65,928
Physics	31,622	179	358	1,474	33,633	6,586	40,219
Lab Directorate/Other	978	13	-	0	991	-	991
Other	-	92	-	-	92	-	92
DIVISION TOTAL	592,803	11,828	72,095	56,054	732,780	103,315	836,095
Note: Minor variances may occur due to rounding.							

Table 1.2b

Costs by Direct Funding Source by Division, FY2010 (\$K)

Division	FY2010						
	DOE Operating	DOE Integrated Contractors Costs	WFO Federal	WFO Non-Federal	Operating Subtotal	Capital and Equipment	Total
Accelerator & Fusion Research	20,545	828	1,791	1,251	24,415	14,760	39,175
Advanced Light Source	49,856	185	0	1,659	51,700	5,955	57,656
Chemical Sciences	14,198	12	1,906	47	16,163	1,552	17,715
Computing Sciences	106,470	2,545	1,502	1,250	111,768	16,355	128,123
Environmental Energy Technologies	58,187	2,489	7,382	13,390	81,448	1,045	82,493
Engineering	221	977	2,770	1,152	5,120	808	5,929
EH&S	2,806	0	-	-	2,806	-	2,806
Earth Sciences	30,766	1,345	3,325	8,582	44,017	283	44,300
Facilities	20,275	-	-	-	20,275	44,023	64,299
Genomics	542	-	4,183	1,270	5,994	-	5,994
Genomics - JGI	70,087	-	121	1,555	71,762	5,612	77,375
Information Technology	2,687	-	-	86	2,774	606	3,380
Life Sciences	10,558	-	40,663	10,151	61,372	919	62,290
Materials Sciences	53,532	191	2,288	5,871	61,882	10,840	72,722
Nuclear Science	20,564	293	3,255	2,380	26,492	8,106	34,598
Physical Biosciences	51,004	942	4,433	6,180	62,560	3,699	66,258
Physics	28,840	1,091	149	1,359	31,439	13,311	44,751
Lab Directorate/Other	1,092	19	-	-	1,111	-	1,112
Other	-	88	-	-	88	-	88
DIVISION TOTAL	542,228	11,007	73,768	56,184	683,187	127,875	811,062

Note: Minor variances may occur due to rounding.

Table 1.2c

Costs by Direct Funding Source by Division, FY2009 (\$K)

Division	FY2009						
	DOE Operating	DOE Integrated Contractors Costs	WFO Federal	WFO Non- Federal	Operating Subtotal	Capital and Equipment	Total
Accelerator & Fusion Research	20,258	843	1,578	611	23,290	4,849	28,139
Advanced Light Source	45,784	38	0	806	46,628	3,034	49,662
Chemical Sciences	13,936	63	638	76	14,713	980	15,694
Computing Sciences	88,264	2,153	2,004	1,347	93,767	9,694	103,461
Environmental Energy Technologies	36,375	2,992	5,631	12,220	57,218	1,577	58,795
Engineering	2,995	779	1,225	206	5,205	3,101	8,306
EH&S	3,270	0	0	0	3,270	-	3,270
Earth Sciences	23,618	1,579	3,055	5,101	33,353	887	34,240
Facilities	9,391	-	-	-	9,391	34,448	43,839
Genomics	2,787	-	3,291	130	6,208	-	6,208
Genomics - JGI	46,567	-	349	1,275	48,192	2,943	51,135
Information Technology	2,324	-	-	49	2,373	726	3,100
Life Sciences	13,178	-	39,023	7,165	59,367	469	59,835
Materials Sciences	48,000	232	940	7,490	56,663	6,723	63,386
Nuclear Science	18,909	176	2,906	3,510	25,501	8,065	33,566
Physical Biosciences	42,366	1,034	3,699	4,611	51,709	306	52,015
Physics	23,160	1,067	415	215	24,857	7,283	32,139
Lab Directorate/Other	861	-	-	41	903	-	903
Other	-	58	-	-	58	-	58
DIVISION TOTAL	442,043	11,015	64,754	44,854	562,665	85,084	647,749
Note: Minor variances may occur due to rounding.							

Table 1.2d

Costs by Direct Funding Source by Division, FY2008 (\$K)

Division	FY2008						
	DOE Operating	DOE Integrated Contractors Costs	WFO Federal	WFO Non- Federal	Operating Subtotal	Capital and Equipment	Total
Accelerator & Fusion Research	19,426	1,514	1,441	799	23,180	2,862	26,042
Advanced Light Source	44,552	7	0	865	45,424	6,084	51,508
Chemical Sciences	14,236	75	599	79	14,990	2,012	17,002
Computing Sciences	87,106	2,895	1,464	1,227	92,693	8,440	101,133
Environmental Energy Technologies	30,890	1,513	5,701	12,797	50,901	1,103	52,004
Engineering	2,814	213	322	516	3,865	9,485	13,351
EH&S	3,490	-	-	-	3,490	-	3,490
Earth Sciences	21,996	2,171	1,339	4,681	30,186	841	31,027
Facilities	4,174	-	-	-	4,174	12,902	17,076
Genomics	2,522	-	6,043	34	8,599	132	8,731
Genomics - JGI	45,068	301	357	945	46,671	4,168	50,839
Information Technology	2,455	-	-	45	2,500	1,134	3,634
Life Sciences	11,452	20	36,844	6,876	55,191	1,680	56,872
Materials Sciences	42,030	123	1,004	7,238	50,396	5,439	55,835
Nuclear Science	17,280	90	2,296	3,533	23,199	3,575	26,774
Physical Biosciences	33,778	515	6,071	3,761	44,126	93	44,219
Physics	22,481	791	715	353	24,341	5,644	29,984
Lab Directorate/Other	743	-	-	115	858	-	858
Other (a)	(947)	68	-	-	(880)	-	(880)
DIVISION TOTAL	405,548	10,296	64,195	43,864	523,904	65,595	589,499

Note: Minor variances may occur due to rounding.

(a) Primarily Work for Other charge to offset Safeguards and Security activities.

Table 1.2e

Costs by Direct Funding Source by Division, FY2007 (\$K)

Division	FY2007						
	DOE Operating	DOE Integrated Contractors Costs	WFO Federal	WFO Non-Federal	Operating Subtotal	Capital and Equipment	Total
Accelerator & Fusion Research	20,818	660	2,662	1,469	25,609	2,490	28,099
Advanced Light Source	42,453	13	0	809	43,275	5,632	48,906
Chemical Sciences	12,457	0	704	115	13,276	1,601	14,877
Computing Sciences	67,615	2,902	1,376	1,202	73,096	4,259	77,355
Environmental Energy Technologies	24,583	1,596	6,549	12,406	45,135	628	45,763
Engineering	3,086	144	428	580	4,238	4,192	8,429
EH&S	5,397	-	-	-	5,397	96	5,493
Earth Sciences	17,466	6,486	1,838	3,886	29,676	180	29,856
Facilities	1,772	-	-	-	1,772	10,473	12,244
Genomics	2,546	-	7,739	88	10,373	64	10,437
Genomics - JGI	40,337	1,843	371	1,338	43,890	1,572	45,461
Information Technology	2,384	-	-	-	2,384	1,007	3,391
Life Sciences	10,033	125	33,766	7,082	51,006	923	51,929
Materials Sciences	39,670	12	1,222	5,292	46,196	4,461	50,657
Nuclear Science	15,582	36	2,563	7,016	25,198	2,900	28,098
Physical Biosciences	12,676	386	7,580	4,135	24,777	451	25,228
Physics	19,573	474	485	335	20,868	9,505	30,373
Lab Directorate/Other	730	-	-	-	730	-	730
Other (a)	(1,018)	70	-	-	(947)	-	(947)
Division Total	338,161	14,747	67,284	45,755	465,947	50,435	516,382
Note: Minor variances may occur due to rounding.							
(a) Primarily Work for Other charge to offset Safeguards and Security activities.							

Table 1.3

Indirect Budget Costs by Division, FY2011 (\$K)

Division	Distributed Support Costs			Institutional Costs						Total (a)
	Org. Burden	Service Centers (b)	Other (c)	LDRD	IGPP	G&A	Procurement Burden	Site Support	Travel Burden	
Accelerator & Fusion Research	1,681	183	224	2,048	-	-	-	-	-	4,136
Advanced Light Source	2,350	-	-	1,917	-	-	-	-	-	4,267
Chief Financial Officer Organization	-	-	-	-	-	10,318	9,416	-	1,842	21,576
Chemical Sciences	1,230	-	-	1,112	-	-	-	-	-	2,342
Computing Sciences	5,713	-	-	1,076	-	-	-	-	-	6,788
Environmental Energy Technologies	5,556	1,782	-	2,887	-	-	-	-	-	10,225
Engineering	4,946	1,466	-	881	-	1,149	-	1,437	-	9,879
EH&S	-	-	-	-	-	-	-	26,293	-	26,293
Earth Sciences	4,151	-	-	2,462	-	-	-	130	-	6,744
Facilities	4,540	13,556	-	-	-	-	2,361	41,898	-	62,355
Genomics	568	-	-	420	-	-	-	-	-	988
Genomics - JGI	3	-	-	-	-	-	-	-	-	3
Information Technology	2,893	7,150	-	-	-	16,698	52	10,335	13	37,141
Lab Directorate	-	-	-	-	-	14,348	-	-	-	14,348
Life Sciences	5,467	743	-	1,873	-	-	-	-	-	8,083
Materials Sciences	3,624	248	-	2,708	-	-	-	-	-	6,581
Nuclear Science	1,756	-	-	912	-	-	-	-	-	2,668
ALD for Operations	-	5,288	-	-	5,585	12,687	-	11,738	-	35,297
Physical Biosciences	3,258	4,273	-	1,486	-	-	-	-	-	9,017
Physics	1,619	-	-	586	-	-	-	-	-	2,205
Other (d)	-	-	-	-	-	7,111	-	-	-	7,111
Division Total	49,356	34,690	224	20,367	5,585	62,311	11,828	91,831	1,855	278,047

Note: Minor variances may occur due to rounding.

(a) Summation of indirect budget costs provided only to show magnitude of dollars being managed and does not equate to total indirect costs since there are overlaps between indirect budgets. For example, some organization burden costs are included in G&A and Recharges.

(b) Service Centers includes recharge cost centers that default to B&R YN01 (project type OHRCH) only and GSRA pass through cost.

(c) Includes: LBNL's Office of Homeland Security (formerly known as Nuclear Non-Proliferation).

(d) Includes: UC Management Fee (General Laboratory).

Table 1.4

Average FTE Breakdown by Division, FY2011 (\$K)

Division	Direct funded FTEs				Indirect Funded FTEs				Total FTEs
	DOE Operating (a)	WFO (b)	Capital & Equipment	Direct Funded Total	Org. Burden	Service Centers (c)	Operations Overhead (d)	Indirect Funded Total	
Accelerator & Fusion Research	72.5	6.7	47.3	126.5	10.0	0.5	7.7	18.2	144.7
Advanced Light Source	177.0	0.3	24.9	202.2	14.9	-	10.3	25.3	227.5
Chief Financial Officer Organization	0.2	-	-	0.2	-	-	147.5	147.5	147.6
Chemical Sciences	68.2	5.0	0.0	73.2	8.2	-	5.8	14.0	87.2
Computing Sciences	186.8	10.7	-	197.5	37.7	-	4.1	41.8	239.3
Environmental Energy Technologies	224.2	69.3	-	293.5	33.8	11.8	13.3	58.8	352.3
Engineering	3.4	6.5	0.0	9.9	25.8	8.0	11.6	45.4	55.3
EH&S	3.8	-	-	3.8	-	-	120.3	120.3	124.1
Earth Sciences	130.4	43.1	0.9	174.4	19.4	-	9.9	29.3	203.6
Facilities	6.0	-	14.2	20.2	26.0	4.0	166.4	196.3	216.5
Genomics	0.4	22.2	-	22.6	3.5	-	-	3.5	26.1
Genomics - JGI	189.4	4.7	-	194.1	0.1	-	2.4	2.5	196.6
Information Technology	5.7	0.0	0.0	5.7	13.9	24.3	97.9	136.1	141.7
Lab Directorate	0.8	-	-	0.8	-	-	62.5	62.5	63.2
Life Sciences	44.3	160.9	0.0	205.2	41.9	4.8	7.4	54.0	259.2
Materials Sciences	252.1	36.7	2.8	291.6	21.7	1.9	15.4	39.0	330.7
Nuclear Science	86.5	17.0	5.6	109.1	12.0	-	4.8	16.8	125.9
ALD for Operations	1.7	-	-	1.7	-	12.7	97.4	110.2	111.8
Physical Biosciences	164.1	34.0	0.1	198.2	17.7	0.6	9.8	28.1	226.3
Physics	93.6	7.1	7.7	108.4	10.9	-	0.8	11.6	120.0
DIVISION TOTAL	1,710.9	424.2	103.5	2,238.6	297.4	68.6	795.1	1,161.1	3,399.8

Notes:

- Minor variances may occur due to rounding.
- FTEs are calculated based on translating labor hours charged into work-months and dividing by division's Paid Leave Factor (PLF).
- FTE calculation does not include Contract Labor or Campus Labor.
- Total FTE excludes 38.8 FTEs from "Funds Held for Others Costs" projects (see table 1.5 for examples).

(a) DOE Operating includes DOE Integrated Contractors and Fellowships.

(b) Work for Other (WFO) includes Cooperative Research and Development Agreement (CRADA).

(c) Service Centers includes recharge cost centers that default to B&R YN01 (project type OHRCH) only.

(d) Operations Overhead includes: G&A, Site Support, LDRD, Institutional General Plant Projects (IGPP), Procurement, Travel, Payroll Burden, Safeguards & Securities (S&S), and LBNL's Office of Homeland Security.

Table 1.5

Funds Held for Others Cost Trends, FY2007 - FY2011 (\$K)

Funding Source	FY2007	FY2008	FY2009	FY2010	FY2011
Royalty	2,031	1,678	1,509	2,153	2,037
Contractor-Funded Institutional Supporting Research and Development (CSR)	2,537	2,940	2,839	2,909	2,639
Inter Location Appointments (ILA)	2,089	2,960	3,478	3,233	3,033
UC Construction Projects	625	1,126	1,170	358	950
Other	44	303	98	170	75
Total	7,326	9,007	9,094	8,823	8,734
Note: Minor variances may occur due to rounding.					

2. DIRECT FUNDING — DOE & REIMBURSABLE WORK

Direct Funding — Department of Energy (DOE) and Reimbursable Work

Total Laboratory Funding – \$85.9M Decrease

Total funding decreased 10% to \$761.0M in FY2011 primarily from the continued ramp down of American Recovery and Reinvestment Act of 2009 (ARRA) funding. Per the Act, funds were no longer available for direct obligation after September 30, 2010.

Type	FY2010 (\$M)	FY2011 (\$M)	Delta (\$M)
Non-ARRA	750.5	747.1	(3.4)
ARRA	96.4	13.9	(82.5)
Total	846.9	761.0	(85.9)

DOE Operating and Maintenance (O&M) Funding – \$49.1M Decrease

Operating and Maintenance (O&M) funding provides for the execution of research and development efforts, purchase of equipment, accelerator improvement projects and construction of general plant projects. Total funding decreased in FY2011 driven by a reduction in ARRA funding received in FY2011 from Energy Efficiency and Renewable Energy (EERE).

Office of Science

Office of Science (SC) O&M Non-ARRA funding increased by \$21.7M. This was offset by a \$17.2M drop in ARRA funding. The notable increases were:

- \$10.0M new funding for the Joint Center for Artificial Photosynthesis (JCAP) project funded by Basic Energy Sciences, where LBNL is the co-lead (along with the California Institute of Technology) in development of a non-biological route to transform sunlight and carbon dioxide to liquid transportation fuels.
- \$6.0M for the Joint Genome Institute (JGI) funded by Biological and Environmental Research for improvements on its main portal, which provides the global user community easy access to all genomes sequenced by the JGI.
- \$5.0M for the National Energy Research Scientific Computing Center (NERSC) project funded by Advanced Scientific Computing Research.

Energy Efficiency and Renewable Energy

Energy Efficiency and Renewable Energy (EERE) O&M funding decreased \$39.3M or 37% in FY2011, primarily due to a decrease in ARRA funding. Major reductions included:

- \$17.7M less for the ARRA funded Advanced Biofuels Process Development Unit (PDU) project. The setup took place in FY2010.
- \$15.1M less for ARRA Building Technologies projects funded in FY2010 related to Energy Efficiency Research for Commercial and Residential Buildings.
- \$7.5M less Non-ARRA funding for JCAP. The five year JCAP project was funded by EERE in FY2010 and will be funded by SC for the remaining years.

Other DOE

Funding from various other DOE programs in FY2011 accounted for a net decrease of \$14.3M from FY2010 – \$13.1M ARRA and \$1.2M Non-ARRA. Major reductions were:

- \$6.5M in the Fossil Energy program, including projects for Industrial Carbon Capture and the Storage Applications Program.
- \$5.3M in the Advanced Research Projects Agency-Energy (ARPA-E) program for research on carbon dioxide capture and biofuel production from carbon dioxide.
- \$2.0M less for the Office of Electricity for the Smart Grid Investment Program.

DOE Construction Funding – \$29.7M Decrease

The decrease was due to a drop in Line Item construction funding and was split between SC and EERE, primarily due to:

- \$14M decrease in SC funding on the Seismic Life-Safety, Modernization and Replacement of General Purpose Buildings project, Phase 2.
- \$15.7M decrease in FY2011 EERE ARRA funding compared with FY2010 for the National User Test Bed Facility for Low-Energy Integrated Building Systems, which LBNL is now in the process of designing and building.

Direct Funding — Department of Energy (DOE) and Reimbursable Work Continued**Other Direct Operating Funding – \$7.2M Decrease**

Total Other Direct Operating funding decreased \$7.2M, or 5%, to \$132.2M in FY2011. The net decrease was driven by a drop in funding from Work for Non-Federal Sponsors. Funding for Work for Other Federal Agencies was flat.

Non-Federal Sponsors

Funding from Non-Federal Agencies decreased \$8.8M based on the following major changes:

- In FY2011, due to changes in previously anticipated funding needs in the Non-ARRA Cost of Work for Others Program (WN), excess budget authority was deobligated.
- A decrease in the year-over-year funding from the California Energy Commission (CEC) for projects related to developing innovative energy technologies and market solutions. Specific projects include commercial building control systems, electricity reliability, and demand response.

Other Federal Agencies

Other Federal Agencies net funding was flat. Non-ARRA Funding changes across multiple divisions offset each other:

- The increase was primarily from the Department of Homeland Security and the National Aeronautics and Space Administration (NASA).
- The decrease was primarily from the Department of Defense and National Institutes of Health (NIH).

Data Sources for Tables in this section are as follows:

Data Type	Source
FY2011 Beginning Uncosted Obligations	Carryover Funding as provided in the LBNL final FY2010 Contract Modification (GSO)
FY2011 Funds	Budget Authority as provided in the LBNL contract modification for the fiscal year
FY2011 Costs	LBNL published Fiscal Year End Costs
FY2011 Ending Uncosted Obligations	DOE - Beginning Uncosted + Funds – Costs WFO - The sum of FY2011 Beginning Uncosted, FY2011 Funds and FY2011 Costs for the "Other Direct Operating" categories does not equal FY2011 Ending Uncosted Obligations due to various adjustments not reflected in the FY2011 Costs column. Examples of these adjustments include Bridge Funding, suspense items, and Federal Administrative Charge. The total of these adjustments for FY2011 is (\$39K).

Table 2.1

LBNL Funding Trends (BA) by Funding Source (\$K)

Funding Source	FY2007	FY2008	FY2009	FY2010	FY2011 (a)
DOE DIRECT OPERATING					
Administrator for National Nuclear Security Administration	5,387	5,179	5,863	7,082	6,204
Assistant Secretary for Energy Efficiency and Renewable Energy	26,520	27,102	43,507	98,411	66,410
Assistant Secretary for Environmental Management	1,709	-	425	2,675	2,741
Assistant Secretary for Fossil Energy	6,328	8,124	10,668	13,750	7,297
Assistant Secretary for Nuclear Energy	-	788	825	1,545	3,104
Assistant Secretary for Policy and International Affairs	(0)	65	100	741	108
Office of Civilian Radioactive Waste Management	1,387	-	35	(1)	(2)
Office of Electricity Delivery and Energy Reliability	7,213	4,970	7,427	10,042	7,998
Office of Energy and Threat	-	65	300	(65)	-
Office of Health Safety and Security	564	413	385	150	20
Office of Intelligence	-	-	-	-	-
Office of Management	-	-	-	-	1
Office of Science	329,097	371,361	503,087	448,488	475,423
Office of the Chief Financial Officer ARPA-E Projects)	-	-	28	5,297	-
Office of the Chief Information Officer	-	-	-	460	(137)
Technical Analysis	(0)	-	-	-	-
Total DOE Direct Operating	378,206	418,067	572,649	588,576	569,167
OTHER DIRECT OPERATING (b)					
Work for Other Federal Agencies	83,164	61,640	56,474	68,928	68,960
Work for Non-Federal Sponsors (c)	38,529	43,882	48,816	58,998	50,240
Cooperative Research and Development Agreements	(1,419)	539	505	482	1,220
Work for Other DOE Integrated Contractors (d)	14,747	10,296	11,015	11,007	11,828
Total Other Direct Operating	135,020	116,357	116,810	139,413	132,249
TOTAL OPERATING	513,226	534,424	689,458	727,989	701,416

continued...

Table 2.1

LBNL Funding Trends (BA) by Funding Source (\$K) Continued

Funding Source	FY2007	FY2008	FY2009	FY2010	FY2011 (a)
DOE PLANT AND CAPITAL EQUIPMENT					
Basic Equipment/Major Items of Equipment:					
Administrator for National Nuclear Security Administration	340	2,205	340	-	77
Assistant Secretary for Energy Efficiency and Renewable Energy	496	1,097	65	8,482	1,200
Assistant Secretary for Environmental Management	(0)	-	-	-	-
Assistant Secretary for Fossil Energy	(0)	-	-	-	-
Office of Science	41,243	58,836	132,728	53,902	34,904
Total	42,079	62,138	133,133	62,384	36,181
GENERAL PLANT PROJECTS					
Office of Science	4,031	4,775	16,233	1,499	1,032
ACCELERATOR IMPROVEMENT PROJECTS					
Office of Science	3,866	2,050	13,255	5,320	2,300
LINE-ITEM CONSTRUCTION					
Administrator for National Nuclear Security Administration	(1)	-	-	-	-
Assistant Secretary for Energy Efficiency and Renewable Energy	-	-	-	15,700	-
Office of Science	6,868	14,226	56,158	34,025	20,063
Total	6,867	14,226	56,158	49,725	20,063
TOTAL DOE PLANT AND CAPITAL EQUIPMENT					
	56,843	83,189	218,779	118,928	59,576
TOTAL LABORATORY					
	570,069	617,613	908,237	846,917	760,992

Note: Minor variances may occur due to rounding.

- Data Source: Budget Authority as provided in the LBNL final contract modification for the fiscal year.

(a) Includes funding for American Recovery and Reinvestment Act (ARRA) in FY2011:

The FY2011 ARRA funds received were categorized as: Operating (\$18,847K) and Plant and Equipment (\$-4,949K).

See Table 3.1 for details.

(b) FY2011 ARRA, National Institutes of Health (NIH), and National Science Foundation (NSF) awards were obligated to LBNL by DOE as work for a Non-Federal entity to accommodate OMB apportionment requirements for ARRA. For reporting consistency with prior and future years, all NIH and NSF funding and cost data is reflected under the Work for Other Federal Agencies category.

(c) Includes funding for Non-Federal Sponsors who are precluded by law from paying an advance under the WN02 program.

(d) Total funding for Work for Other Integrated Contractors is assumed to be equal to cost incurred.

Table 2.2

LBNL Cost Trends by Funding Source (\$K)

Funding Source	FY2007	FY2008	FY2009	FY2010	FY2011 (a)
DOE DIRECT OPERATING					
Administrator for National Nuclear Security Administration	6,194	5,703	5,853	7,232	6,105
Assistant Secretary for Energy Efficiency and Renewable Energy	18,050	24,059	28,387	57,400	78,939
Assistant Secretary for Environmental Management	2,293	242	341	1,969	3,251
Assistant Secretary for Fossil Energy	5,796	7,060	6,840	6,969	11,182
Assistant Secretary for Nuclear Energy		206	964	1,485	2,733
Assistant Secretary for Policy and International Affairs	6	-	66	96	685
Office of Civilian Radioactive Waste Management	1,154	2,078	222	39	4
Office of Electricity Delivery and Energy Reliability	4,339	4,242	6,015	7,353	6,676
Office of Energy and Threat		-	-	38	158
Office of Health Safety and Security	563	542	390	281	31
Office of Intelligence	-	-	-	-	-
Office of Management	-	-	-	-	-
Office of Science	299,767	361,416	392,951	459,035	481,048
Office of the Chief Financial Officer (ARPA-E Projects)	-	-	13	30	1,966
Office of the Chief Information Officer	-	-	-	299	24
Technical Analysis	-	-	-	-	-
Total DOE Direct Operating	338,161	405,548	442,043	542,228	592,803
OTHER DIRECT OPERATING (b)					
Work for Other Federal Agencies	67,284	64,195	64,754	73,768	72,095
Work for Non-Federal Sponsors (c)	45,627	43,412	44,604	55,399	55,558
Cooperative Research and Development Agreements	128	452	250	785	496
Work for Other DOE Integrated Contractors	14,747	10,296	11,015	11,007	11,828
Total Other Direct Operating (d)	127,786	118,355	120,622	140,959	139,977
TOTAL OPERATING	465,947	523,904	562,665	683,187	732,780

continued...

Table 2.2

LBNL Cost Trends by Funding Source (\$K) Continued

Funding Source	FY2007	FY2008	FY2009	FY2010	FY2011 (a)
DOE PLANT AND CAPITAL EQUIPMENT					
Basic Equipment/Major Items of Equipment					
Administrator for National Nuclear Security Administration	267	1,343	1,331	159	140
Assistant Secretary for Energy Efficiency and Renewable Energy	319	763	1,070	870	5,372
Office of Science	37,242	47,907	46,645	80,815	64,165
Total	37,828	50,013	49,045	81,844	69,677
GENERAL PLANT PROJECTS					
Office of Science	6,082	4,340	5,098	11,853	454
ACCELERATOR IMPROVEMENT PROJECTS					
Office of Science	2,038	2,680	1,268	1,865	5,444
LINE-ITEM CONSTRUCTION					
Assistant Secretary for Energy Efficiency and Renewable Energy	-	-	-	91	1,151
Office of Science	4,487	8,561	29,673	32,223	26,589
Total	4,487	8,561	29,673	32,313	27,740
TOTAL DOE PLANT AND CAPITAL EQUIPMENT					
	50,435	65,595	85,084	127,875	103,315
TOTAL LABORATORY					
	516,382	589,498	647,749	811,062	836,095

Note: Minor variances may occur due to rounding.

• Data Source: LBNL published Fiscal Year End Costs.

(a) Includes funding for American Recovery and Reinvestment Act (ARRA) in FY2011:

The FY2011 ARRA costs were categorized as: Operating (\$64,238K), Plant and Equipment (\$37,006K). See Table 3.1 for details.

(b) FY2011 ARRA, National Institutes of Health (NIH), and National Science Foundation (NSF) awards were obligated to LBNL by DOE as work for a Non-Federal entity to accommodate OMB apportionment requirements for ARRA. For reporting consistency with prior and future years, all NIH and NSF funding and cost data is reflected under the Work for Other Federal Agencies category.

(c) Includes costs for Non-Federal Sponsors who are precluded by law from paying an advance under the WN02 program.

(d) FY2011 costs do not include various adjustments. Examples of these adjustments include bridge funding, suspense items and Federal Administrative Charge. The total of these adjustments for FY2011 is \$39K.

Table 2.3

LBNL Funding and Costs by Funding Source (\$K)

LBNL FY2011 Funding and Cost by Source (\$K)	FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
DOE DIRECT OPERATING				
Administrator for National Nuclear Security Administration	2,975	6,204	6,105	3,074
Assistant Secretary for Energy Efficiency and Renewable Energy	73,735	66,410	78,939	61,206
Assistant Secretary for Environmental Management	1,761	2,741	3,251	1,251
Assistant Secretary for Fossil Energy	19,810	7,297	11,182	15,925
Assistant Secretary for Nuclear Energy	504	3,104	2,733	875
Assistant Secretary for Policy and International Affairs	743	108	685	167
Office of Civilian Radioactive Waste Management	48	(2)	4	42
Office of Electricity Delivery and Energy Reliability	9,998	7,998	6,676	11,319
Office of Energy and Threat	262	-	158	103
Office of Health Safety and Security	18	20	31	7
Office of Management	-	1	-	1
Office of Science	218,861	475,423	481,048	213,237
Office of the Chief Financial Officer	5,282	-	1,966	3,315
Office of the Chief Information Officer	161	(137)	24	-
Total DOE Direct Operating	334,158	569,167	592,803	310,522
OTHER DIRECT OPERATING (a)				
Work for Other Federal Agencies	66,085	68,960	72,095	63,540
Work for Non-Federal Sponsors (b)	34,523	50,240	55,558	28,562
Cooperative Research and Development Agreements	310	1,220	496	1,049
Work for Other DOE Integrated Contractors (c)	-	11,828	11,828	-
Total Other Direct Operating (d)	100,918	132,249	139,977	93,151
TOTAL OPERATING	435,076	701,416	732,780	403,673

continued...

Table 2.3

LBNL Funding and Costs by Funding Source (\$K) Continued

LBNL FY2011 Funding and Cost by Source (\$K)	FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
DOE PLANT AND EQUIPMENT				
Basic Equipment/Major Items of Equipment				
Administrator for National Nuclear Security Administration	68	77	140	6
Assistant Secretary for Energy Efficiency and Renewable Energy	7,788	1,200	5,372	3,616
Office of Science	105,557	34,904	64,165	76,296
Total Capital Equipment	113,413	36,181	69,677	79,917
General Plant Projects				
Office of Science	4,543	1,032	454	5,121
Total General Plant Projects	4,543	1,032	454	5,121
Accelerator Improvement Projects				
Office of Science	18,419	2,300	5,444	15,276
Total Accelerator Improvement Projects	18,419	2,300	5,444	15,276
Line-Item Construction				
Assistant Secretary for Energy Efficiency and Renewable Energy	15,609	-	1,151	14,459
Office of Science	51,544	20,063	26,589	45,017
Total Line-item Construction	67,153	20,063	27,740	59,476
TOTAL DOE PLANT AND CAPITAL EQUIPMENT	203,529	59,576	103,315	159,790
TOTAL LABORATORY (e)	638,604	760,992	836,095	563,463

Note: Minor variances may occur due to rounding.

- (a) FY2011 ARRA, National Institute of Health (NIH), and National Science Foundation (NSF) awards were obligated to LBNL by DOE as work for a Non-Federal entity to accommodate OMB apportionment requirements for ARRA. For reporting consistency with prior and future years, all NIH and NSF funding and cost data is reflected under the Work for Other Federal Agencies category.
- (b) Includes funding for Non-Federal Sponsors who are precluded by law from paying an advance under the WN02 program.
- (c) Total funding for Work for Other Integrated Contractors is assumed to be equal to cost incurred.
- (d) The sum of FY2011 Beginning Uncosted Obligations and FY2011 Funds, minus FY2011 Costs does not equal FY2011 Ending Uncosted Obligations due to various adjustments not reflected in the FY2011 Costs column. Examples of these adjustments include bridge funding, suspense items, and Federal Administrative Charge. The total of these adjustments for FY2011 is \$39K.
- (e) Includes American Recovery and Reinvestment Act (ARRA) funds and costs in FY2011:
Operating (\$18,847K, \$64,238K) and Plant and Equipment (\$-4,949K, \$37,066K). See Table 3.1 and Table 3.2 for details.

Table 2.4

FY2011 Funding and Costs by DOE Programs (\$K)

ADMINISTRATOR FOR NATIONAL NUCLEAR SECURITY ADMINISTRATION		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING					
DP12	Science Campaign	0	(0)	-	-
DP15	Advanced Simulation and Computing Campaign	35	(35)	-	-
FS21	Cyber Security	0	266	175	91
NN20	Nonproliferation And Verification Research And Development	2,436	5,009	5,027	2,418
NN40	Nonproliferation and International Security	447	965	847	565
NN41	Global Initiative for Proliferation Prevention	56	-	56	-
Total Operating		2,975	6,204	6,105	3,074
CAPITAL EQUIPMENT					
NN20	Nonproliferation And Verification Research And Development	68	77	140	6
Total Capital Equipment		68	77	140	6
TOTAL ADMINISTRATOR FOR NATIONAL NUCLEAR SECURITY ADMINISTRATION					
		3,043	6,281	6,245	3,080
Note: Minor variances may occur due to rounding.					

continued...

Table 2.4a

FY2011 Funding and Costs by DOE Programs (\$K) Continued

OFFICE OF SCIENCE		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING					
AT50	FES - Science	783	5,520	4,651	1,652
FS10	Safeguards and Security - Science	1,281	5,241	4,821	1,701
KA11	Proton Accelerator-Based Physics	3,997	13,083	12,028	5,052
KA12	Electron Accelerator-Based Physics	146	350	387	109
KA13	Non-Accelerator-Based Physics	7,970	14,649	15,591	7,028
KA14	Theoretical Physics	5,242	5,253	5,476	5,019
KA15	Advanced Technology R&D	4,999	12,478	11,294	6,183
KB01	Medium Energy Physics	16	378	11	383
KB02	Heavy-Ion Physics	2,093	6,051	6,460	1,684
KB03	Nuclear Theory	4,246	2,995	3,681	3,560
KB04	Low Energy Physics	6,942	10,936	12,129	5,750
KC02	Materials Sciences and Engineering	12,683	28,726	28,238	13,171
KC03	Chemical Sciences, Geosciences, and Energy Biosciences	14,100	36,890	30,284	20,705
KC04	Scientific User Facilities	11,774	80,909	76,623	16,059
KG06	Excess Facilities Disposition	16,742	-	8,299	8,443
KJ01	Mathematical, Information, And Computational Sciences	278	(9)	209	60
KJ04	Mathematical, Computational, and Computer Sciences Research	22,270	24,196	23,025	23,441
KJ05	High Performance Computing and Network Facilities	61,064	91,684	107,020	45,728
KL01	Student Programs	163	1,075	583	656
KL02	Educator Programs	249	74	193	129
KP11	Life Sciences	7,691	(1)	7,370	321
KP12	Climate Change Research	831	(0)	635	196
KP13	Environmental Remediation	247	-	230	16
KP15	Biological Research	4,802	162	4,128	836
KP16	Biological Systems Science	22,930	121,502	107,031	37,401
KP17	Climate and Environmental Sciences	5,302	13,301	10,651	7,952
KX01	Science Program Direction	22	(22)	-	-
Total Operating		218,861	475,423	481,048	213,237

continued...

Table 2.4a

FY2011 Funding and Costs by DOE Programs (\$K) Continued

OFFICE OF SCIENCE		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
CAPITAL EQUIPMENT					
AT50	FES - Science	6,532	-	6,078	455
KA11	Proton Accelerator-Based Physics (a)	1,035	1,487	1,364	1,158
KA13	Non-Accelerator-Based Physics	4,814	1,313	5,182	945
KA15	Advanced Technology R&D	27,293	5,369	19,548	13,114
KB02	Heavy-Ion Physics	3,448	2,105	3,748	1,804
KB04	Low Energy Physics	9,291	1,645	4,325	6,611
KC02	Materials Sciences and Engineering	15,362	2,292	7,889	9,765
KC03	Chemical Sciences, Geosciences, and Energy Biosciences	3,146	6,629	1,875	7,900
KC04	Scientific User Facilities	7,077	11,978	6,163	12,892
KJ01	Mathematical, Information, And Computational Sciences	1,784	-	1,753	31
KJ05	High Performance Computing and Network Facilities	20,131	(1,859)	1,254	17,018
KP11	Life Sciences	21	-	8	13
KP12	Climate Change Research	223	-	-	223
KP15	Biological Research	1,202	36	1,116	122
KP16	Biological Systems Science	3,900	3,517	3,381	4,036
KP17	Climate and Environmental Sciences	298	392	481	209
Total Capital Equipment		105,557	34,904	64,165	76,296
Note: Minor variances may occur due to rounding. (a) Includes Institutional General Purpose Equipment activity.					
GENERAL PLANT PROJECTS					
FS10	Safeguards and Security - Science	-	900	-	900
KA11	Proton Accelerator-Based Physics	2	-	(12)	13
KC02	Materials Sciences and Engineering	4	(4)	-	-
KC04	Scientific User Facilities	1,499	136	109	1,526
KG09	General Plant Projects	3,039	-	357	2,682
Total General Plant Projects		4,543	1,032	454	5,121
ACCELERATOR IMPROVEMENT PROJECTS					
KB04	Low Energy Physics	1,175	-	847	329
KC02	Materials Sciences and Engineering	11,931	-	3,448	8,483
KC04	Scientific User Facilities	5,313	2,300	1,149	6,464
Total Accelerator Improvement Projects		18,419	2,300	5,444	15,276
LINE-ITEM CONSTRUCTION					
39KC	Basic Energy Sciences	1,741	(0)	1,738	3
39KG	Science Laboratories Infrastructure	49,803	20,063	24,851	45,014
Total Line-item Construction		51,544	20,063	26,589	45,017
TOTAL OFFICE OF SCIENCE		398,925	533,722	577,700	354,946
Note: Minor variances may occur due to rounding. (a) Includes LBNL General Purpose Equipment activity.					

continued...

Table 2.4b

FY2011 Funding and Costs by DOE Programs (\$K) Continued

ASSISTANT SECRETARY FOR ENERGY EFFICIENCY AND RENEWABLE ENERGY		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING					
BM01	Biomass/Biofuels Energy Systems	6,809	1,250	4,085	3,974
BR01	EE Departmental Admin, Recovery Act	-	2,300	17	2,283
BT01	Residential Buildings	7,047	3,136	4,817	5,366
BT02	Commercial Buildings Integration	9,976	5,779	6,955	8,800
BT03	Emerging Technologies	4,573	9,214	10,022	3,765
BT04	Equipment Standards and Analysis	3,102	13,050	9,437	6,715
BT05	Technical Program Management Support	7	-	-	7
BT07	Technology Validation and Market Distribution	561	1,094	581	1,074
EB21	Solar Energy	6,142	738	5,116	1,763
EB25	Wind Energy Systems	442	550	611	381
EB36	Facilities and Infrastructure	5	-	-	5
EB40	Geothermal	9,207	2,565	5,976	5,796
EB42	Hydrogen Research R&D	2,694	2,712	4,312	1,095
EB51	Energy Efficiency and Renewable Energy Program Direction	4,108	(11)	433	3,664
EB55	Department Energy Management Program	34	-	2	32
EB57	Energy Efficiency and Renewable Energy (EERE) Program Support	1,830	784	908	1,707
ED18	Industries Of The Future (Specific)	12	-	9	3
ED19	Industries Of The Future (Crosscutting)	2,047	-	1,545	502
ED20	Industrial Technical Assistance	-	2,363	1,249	1,115
ED22	Technical Program Management Support	17	-	17	0
EL17	Federal Energy Management Program	2,480	4,614	3,992	3,102
VT02	Technology Integration	676	-	174	502
VT05	Materials Technology	159	252	300	110
VT11	Hybrid Electric Systems	7,303	(0)	7,081	221
VT12	Batteries and Electric Drive Technology	-	15,460	9,508	5,952
WI03	State Energy Program (Grants)	894	460	445	909
WI04	Other State Energy Activities	244	(0)	52	191
WI05	Gateway Deployment	77	-	74	3
WI06	Intergovernmental Activities	1,285	-	688	597
WI07	Weatherization Assistance Program	2,007	100	535	1,572
Total Operating		73,735	66,410	78,939	61,206

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Table 2.4b

FY2011 Funding and Costs by DOE Programs (\$K) Continued

ASSISTANT SECRETARY FOR ENERGY EFFICIENCY AND RENEWABLE ENERGY		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
CAPITAL EQUIPMENT					
BM01	Biomass/Biofuels Energy Systems	4,700	-	3,195	1,505
BT03	Emerging Technologies	-	-	-	-
EB21	Solar Energy	2,209	-	1,572	637
EB42	Hydrogen Research R&D	118	-	112	6
VT03	Hybrid and Electric Propulsion	9	-	-	9
VT11	Hybrid Electric Systems	752	-	493	259
VT12	Batteries and Electric Drive Technology	-	1,200	-	1,200
Total Capital Equipment		7,788	1,200	5,372	3,616
LINE-ITEM CONSTRUCTION					
39EB	Facilities and Infrastructure	15,609	-	1,151	14,459
Total Line-item Construction		15,609	-	1,151	14,459
TOTAL ASSISTANT SECRETARY FOR ENERGY EFFICIENCY AND RENEWABLE ENERGY		97,132	67,610	85,462	79,280
Note: Minor variances may occur due to rounding.					

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Table 2.4c

FY2011 Funding and Costs by DOE Programs (\$K) Continued

OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING					
TD50	Research and Development	5,272	4,202	3,631	5,843
TD52	Electricity Restructuring	0	-	-	0
TD54	Operations and Analysis	4,725	3,796	3,045	5,476
Total Operating		9,998	7,998	6,676	11,319
TOTAL OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY		9,998	7,998	6,676	11,319
Note: Minor variances may occur due to rounding.					
ASSISTANT SECRETARY FOR FOSSIL ENERGY		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING					
AA15	Advanced Research	27	2,000	34	1,993
AA20	Central Systems	1,871	1,100	1,908	1,063
AA25	Fuel Cells	249	300	246	303
AA30	Sequestration	14,253	3,897	6,954	11,196
AB05	Natural Gas Technologies	413	-	247	166
AC10	Oil Technology	1,091	-	805	286
AD20	Contractual Services And Supplies	156	-	116	40
AE10	Advanced Metallurgical Processes	1	-	1	0
AY05	Clean Coal Power Initiative	391	-	41	350
BD00	Unconventional Fossil Energy Technologies	316	-	223	93
CE03	Center for Zero Emissions Technology - Montana State	1,031	-	608	423
CE47	Innovations for Low-Cost Gasification Systems	5	-	-	5
CE54	Design and Test of an Advanced SOFC Generator in PA	6	-	-	6
Total Operating		19,810	7,297	11,182	15,925
TOTAL ASSISTANT SECRETARY FOR FOSSIL ENERGY		19,810	7,297	11,182	15,925
Note: Minor variances may occur due to rounding.					

continued...

Table 2.4d

FY2011 Funding and Costs by DOE Programs (\$K) Continued

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING					
DF01	First Repository	45	(0)	3	42
DF09	Program Support	3	(1)	2	0
Total Operating		48	(2)	4	42
TOTAL OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT		48	(2)	4	42
Note: Minor variances may occur due to rounding.					
ASSISTANT SECRETARY FOR ENVIRONMENTAL MANAGEMENT		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING					
EY40	Defense Site Acceleration Completion - Technology Development and Deployment	959	2,741	3,158	542
EY80	Defense Environmental Cleanup - Program Support	67	-	65	2
EZ06	Non-Defense Site Acceleration Completion - 2006 Accelerated Completions	-	-	-	-
EZ50	Non-Defense Environmental Cleanup - Small Sites	736	-	29	707
Total Operating		1,761	2,741	3,251	1,251
TOTAL ASSISTANT SECRETARY FOR ENVIRONMENTAL MANAGEMENT		1,761	2,741	3,251	1,251
Note: Minor variances may occur due to rounding.					

continued...

Table 2.4e

FY2011 Funding and Costs by DOE Programs (\$K) Continued

OFFICE OF HEALTH SAFETY AND SECURITY		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING					
HQ10	Employee Compensation	18	20	31	7
HU20	Health	-	-	-	-
Total Operating		18	20	31	7
TOTAL OFFICE OF HEALTH SAFETY AND SECURITY		18	20	31	7
Note: Minor variances may occur due to rounding.					
ASSISTANT SECRETARY FOR NUCLEAR ENERGY		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING					
AF36	Generation IV Nuclear Energy Systems Initiative (Generation IV)	133	-	133	0
AF58	Fuel Cycle Research and Development (FCR&D)	371	2,704	2,571	504
NT01	Crosscutting Technology Development	-	200	-	200
RC04	Advanced Reactor Concepts	-	200	29	171
Total Operating		504	3,104	2,733	875
TOTAL ASSISTANT SECRETARY FOR NUCLEAR ENERGY		504	3,104	2,733	875
Note: Minor variances may occur due to rounding.					

continued...

Table 2.4f

FY2011 Funding and Costs by DOE Programs (\$K) Continued

OFFICE OF ENERGY AND THREAT		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING					
GD40	Program Direction	262	-	158	103
Total Operating		262	-	158	103
TOTAL OFFICE OF ENERGY AND THREAT		262	-	158	103
Note: Minor variances may occur due to rounding.					
ASSISTANT SECRETARY FOR POLICY AND INTERNATIONAL AFFAIRS		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING					
PE01	Policy, Planning And Analysis	0	-	-	0
PE04	Energy Security and Assurance Policy	-	58	-	58
PE06	Climate Change Technology Program	701	50	650	102
WA22	Office of International Affairs - Program Direction	42	-	35	7
Total Operating		743	108	685	167
TOTAL ASSISTANT SECRETARY FOR POLICY AND INTERNATIONAL AFFAIRS		743	108	685	167
Note: Minor variances may occur due to rounding.					
OFFICE OF CHIEF FINANCIAL OFFICER		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING					
CJ01	ARPA-E Projects	5,282	-	1,966	3,315
Total Operating		5,282	-	1,966	3,315
TOTAL OFFICE OF CHIEF FINANCIAL OFFICER		5,282	-	1,966	3,315
Note: Minor variances may occur due to rounding.					
OFFICE OF CHIEF INFORMATION OFFICER		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING:					
CS50	CS - Program Services	161	(137)	24	-
Total Operating		161	(137)	24	-
TOTAL OFFICE OF CHIEF INFORMATION OFFICER		161	(137)	24	-
Note: Minor variances may occur due to rounding.					

Table 2.5

FY2011 Funding and Costs by Other Direct Operating Source (\$K)

Funding Source	FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
REIMBURSABLE WORK FOR OTHER NON-DOE ENTITIES				
Work for Other Federal Sponsors				
Department of Agriculture	38	(15)	24	0
Department of Commerce	2	(1)	-	1
Department of Defense	13,976	9,441	13,461	10,288
Department of Homeland Security - Borders & Transportation	493	926	394	1,025
Department of Homeland Security - Domestic Nuclear Detection Office	569	1,525	1,329	764
Department of Homeland Security - Science & Technology	1,831	4,319	3,220	2,924
Department of Housing and Urban Development	28	243	29	243
Department of Interior	237	168	172	238
Department of State - International Affairs & Energy Emergencies	0	(0)	-	-
Department of State - Other	1,806	-	594	1,197
Environmental Protection Agency	3,167	1,861	2,446	2,649
National Aeronautics and Space Administration (NASA)	2,407	4,880	3,469	3,901
National Institutes of Health (a)	38,358	41,432	43,599	36,228
National Science Foundation (a)	467	467	402	543
Nuclear Regulatory Commission	730	607	787	572
Other Energy Related Activities	1,080	2,561	1,565	2,113
Other Federal Agencies - Defense Related	292	101	178	218
Other Federal Agencies - Energy Related	604	447	426	637
Total Work for Other Federal Sponsors	66,085	68,960	72,095	63,540
Work for Non-Federal Sponsors				
Foreign Governments	337	926	670	613
Industry	7,898	13,791	13,113	8,746
State and Local Governments & NPOs	10,853	19,036	20,102	9,767
Universities and Institutes	7,277	19,621	21,085	4,999
Cost of Work for Others Program (WN) (b)	8,157	(3,134)	589	4,438
Total Work for Non-Federal Sponsors	34,523	50,240	55,558	28,562

continued...

Table 2.5

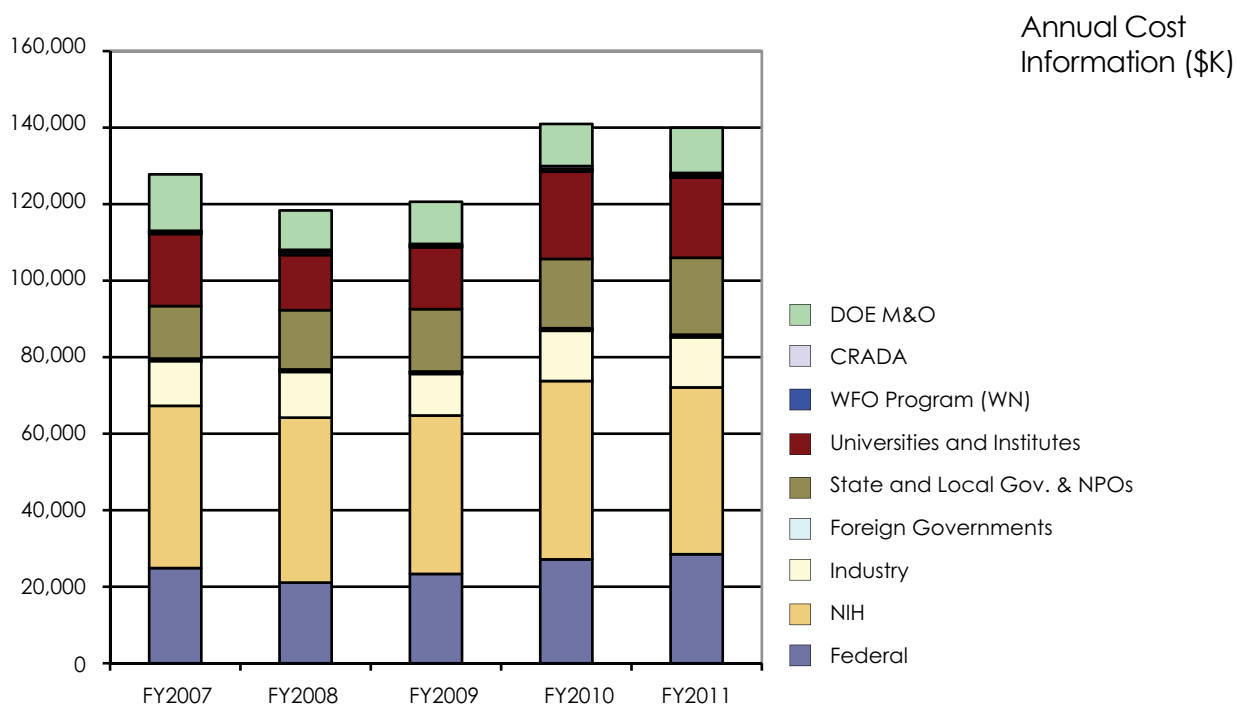
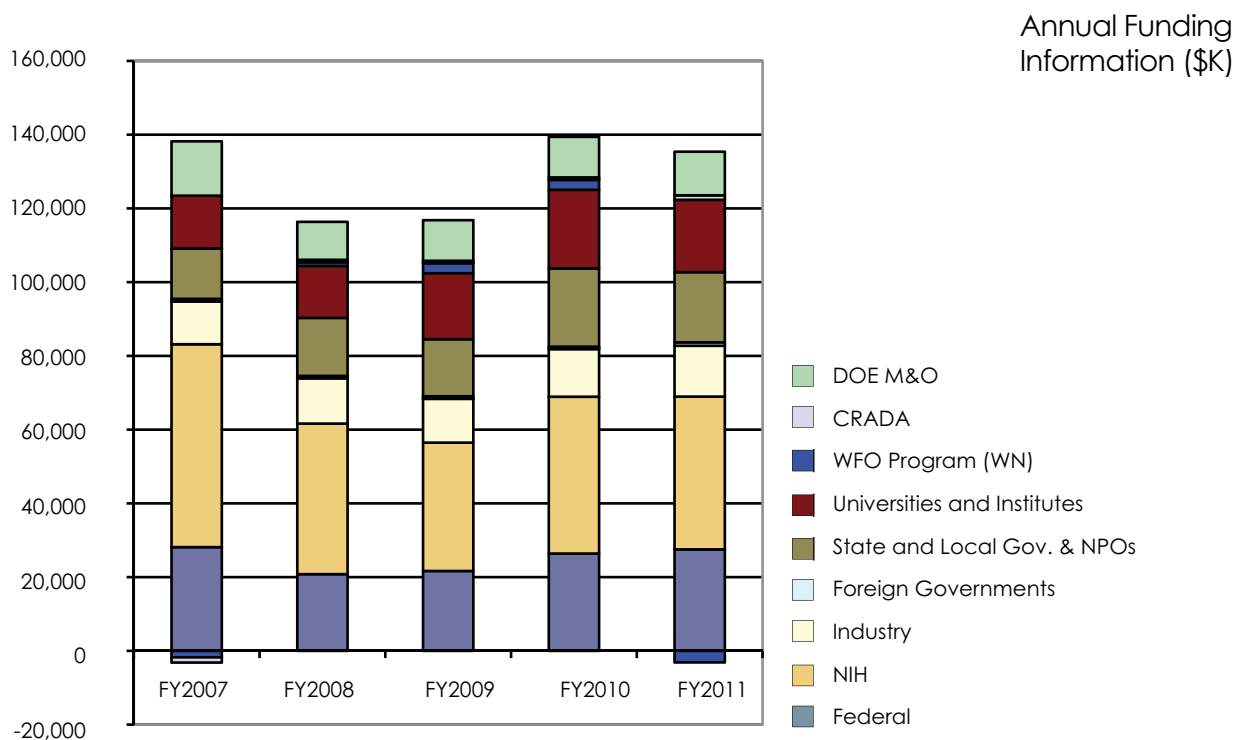
FY2011 Funding and Costs by Other Direct Operating Source (\$K) Continued

Funding Source	FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
REIMBURSABLE WORK FOR OTHER NON-DOE ENTITIES (CONTINUED)				
Cooperative Research and Development Agreements:				
CRADA - Small Business	5	(5)	-	-
CRADA - Other	304	1,226	496	1,049
Total Cooperative Research and Development Agreements	310	1,220	496	1,049
TOTAL REIMBURSABLE WORK FOR NON-DOE ENTITIES	100,918	120,421	128,149	93,151
WORK FOR OTHER DOE INTEGRATED CONTRACTORS				
Work Performed for Other DOE Locations (c)	-	11,828	11,828	-
Total Work for Other DOE Integrated Contractors (d) (e)	-	11,828	11,828	-
TOTAL OTHER DIRECT OPERATING	100,918	132,249	139,977	93,151

Note: Minor variances may occur due to rounding.

- (a) FY2011 ARRA, National Institutes of Health (NIH) and National Science Foundation (NSF) awards were obligated to LBNL by DOE as work for a Non-Federal entity to accommodate OMB apportionment requirements for ARRA. For reporting consistency with prior and future years, all NIH and NSF funding and cost data is reflected under the Work for Other Federal Agencies category.
- (b) Includes funding for Non Federal Sponsors who are precluded by law from paying an advance under the WN02 program.
- (c) Total funding for Work for Other Integrated Contractors is assumed to be equal to cost incurred.
- (d) The sum of FY2011 Beginning Uncosted Obligations, FY2011 Funds, minus FY2011 Costs does not equal FY2011 Ending Uncosted Obligations) due to various adjustments not reflected in the FY2011 Costs column. Examples of these adjustments include bridge funding, suspense items, and DOE's Federal Administrative Charge. The total of these adjustments for FY2011 is \$39K.
- (e) Includes FY2011 funds and costs for American Recovery and Reinvestment Act (ARRA), (\$11,610, \$12,032K) see Table 3.4 for details by sponsor.

Figure 2.1

FY2011 Funding and Cost Trends by Other Direct Operating Source (\$K)

3. AMERICAN RECOVERY & REINVESTMENT ACT OF 2009 (ARRA)

Table 3.1

LBNL ARRA Fund Trends (BA) by Funding Source (\$K)

Funding Source	FY2009	FY2010	FY2011
OPERATING			
Assistant Secretary for Energy Efficiency and Renewable Energy	3,664	37,206	2,289
Assistant Secretary for Fossil Energy	-	4,950	-
Office of Electricity Delivery and Energy Reliability	-	2,795	-
Office of Science (d)	78,742	17,717	4,948
Assistant Secretary Office of the Chief Financial Officer	28	5,297	-
Total Operating	82,434	67,965	7,237
OTHER DIRECT OPERATING			
Work for Other Federal Agencies	1,767	5,453	6,182
Work for Non-Federal Sponsors (a)	25	1,930	3,504
Work for Other DOE Integrated Contractors (b) (c)	-	1,098	1,924
Total Other Direct Operating	1,792	8,481	11,610
TOTAL OPERATING	84,226	76,446	18,847
DOE PLANT AND CAPITAL EQUIPMENT			
Basic Equipment/Major Items of Equipment			
Assistant Secretary for Energy Efficiency and Renewable Energy	-	4,700	-
Office of Science (d)	75,950	(492)	(4,949)
Total Capital Equipment	75,950	4,209	(4,949)
General Plant Projects			
Office of Science	16,300	-	-
Total General Plant Projects	16,300	-	-
Accelerator Improvement Projects			
Office of Science	7,680	-	-
Total Accelerator Improvement Projects	7,680	-	-
Line Item Construction			
Assistant Secretary for Energy Efficiency and Renewable Energy	-	15,700	-
Office of Science	29,546	-	-
Total Line Item Construction	29,546	15,700	-
TOTAL DOE PLANT AND CAPITAL EQUIPMENT	129,476	19,909	(4,949)
TOTAL LABORATORY	213,702	96,354	13,898

(a) Total Funding for FY2010 Work for Non Federal Sponsors as reported in the FY2010 Annual Report is different than stated herein. Difference is a result of a Work for Other DOE Integrated Contractors award changing status from Non-ARRA to ARRA. The impact to Funding for FY2010 is \$33.3K. As a result of this change, FY2010 Report ARRA Funding - Work for Non-Federal Sponsors is restated as \$1,930.

(b) Total funding for Work for Other Integrated Contractors is assumed to be equal to cost incurred.

(c) Total Funding for FY2010 for Work for Other DOE Integrated Contractors as reported in the FY2010 Annual Report is different than stated herein. Difference is a result of a Work for Other DOE Integrated Contractors award changing status from Non-ARRA to ARRA. The impact to Funding for FY2010 is \$221.9K. As a result of this change, FY2010 Report ARRA Funding - Work for Other DOE Integrated Contracts is restated as \$1,098.

(d) Portion of High Performance Network Facilities funding reobligated from Capital Equipment to Operating in FY2011.

Table 3.2

LBNL ARRA Cost Trends by Funding Source (\$K)

Funding Source	FY2009	FY2010	FY2011
OPERATING			
Assistant Secretary for Energy Efficiency and Renewable Energy	68	11,652	11,853
Assistant Secretary for Fossil Energy	-	208	1,314
Office of Electricity Delivery and Energy Reliability	-	450	589
Office of Science	4,368	30,689	36,484
Assistant Secretary Office of the Chief Financial Officer	13	30	1,966
Total Operating	4,449	43,029	52,206
OTHER DIRECT OPERATING			
Work for Other Federal Agencies	40	6,015	7,181
Work for Non Federal Sponsors	-	1,195	2,927
Work for Other DOE Integrated Contractors (a)	-	1,098	1,924
Total Other Direct Operating	40	8,308	12,032
TOTAL OPERATING	4,489	51,336	64,238
DOE PLANT AND CAPITAL EQUIPMENT			
Basic Equipment/Major Items of Equipment			
Assistant Secretary for Energy Efficiency and Renewable Energy	-	-	3,195
Office of Science	560	27,277	19,781
Total Capital Equipment	560	27,277	22,977
General Plant Projects			
Office of Science	1,684	11,577	357
Total General Plant Projects	1,684	11,577	357
Accelerator Improvement Projects			
Office of Science	119	945	1,837
Total Accelerator Improvement Projects	119	945	1,837
Line Item Construction			
Assistant Secretary for Energy Efficiency and Renewable Energy	-	91	1,151
Office of Science	4,119	13,311	10,685
Total Line Item Construction	4,119	13,402	11,836
TOTAL DOE PLANT AND CAPITAL EQUIPMENT	6,482	53,201	37,006
TOTAL LABORATORY	10,971	104,537	101,244
(a) Total Costs for FY2010 for Work for Other DOE Integrated Contractors as reported in the FY2010 Annual Report is different as stated herein. Difference is a result of a Work for Other DOE Integrated Contractors award changing status from Non-ARRA to ARRA. The impact to Costs for FY2010 is \$221.9K. As a result of this change FY2010 Report is restated as Funding \$1,098.			

Figure 3.1

Where Did Your ARRA Program Dollars Go in FY2011?

Expenses	DOE Operating Costs	DOE Intergrated Contractors Costs	Construction and Equipment	WFO Non-DOE
DIRECT				
Direct Labor				
UC Labor (a)	\$0.17	\$0.39	\$0.13	\$0.36
Contract Labor	\$0.00	\$0.00	\$0.00	\$0.00
Organization Burden (b)	\$0.03	\$0.06	\$0.02	\$0.07
Subtotal Direct Labor	\$0.20	\$0.45	\$0.15	\$0.43
OTHER DIRECT				
Services	\$0.61	\$0.21	\$0.37	\$0.18
Materials	\$0.06	\$0.02	\$0.39	\$0.07
Utilities	\$0.00	\$0.00	\$0.00	\$0.00
Other Expenses (c)	\$0.00	\$0.00	\$0.00	\$0.01
Recharges (b,d)	\$0.01	\$0.03	\$0.01	\$0.03
Travel	\$0.01	\$0.01	\$0.00	\$0.01
Subtotal Other Direct	\$0.68	\$0.28	\$0.77	\$0.30
Total Direct	\$0.88	\$0.73	\$0.92	\$0.74
INDIRECT				
Procurement	\$0.01	\$0.01	\$0.02	\$0.01
Travel	\$0.00	\$0.00	\$0.00	\$0.00
G&A (Other Institutions)	\$0.11	\$0.25	\$0.06	\$0.25
Total Indirect	\$0.12	\$0.27	\$0.08	\$0.26
TOTAL EXPENSES	\$1.00	\$1.00	\$1.00	\$1.00
Note: Minor variances may occur due to rounding. (a) UC Labor includes salary and benefits for Scientists/Engineers, Admin., Students/GSRAs and Campus Labor. (b) Distributed activities used by direct funded programs. (c) Includes miscellaneous expenses (stipends, sales tax, freight, etc.). (d) Includes recharges credited back to direct operating accounts such as ALS and ESnet.				

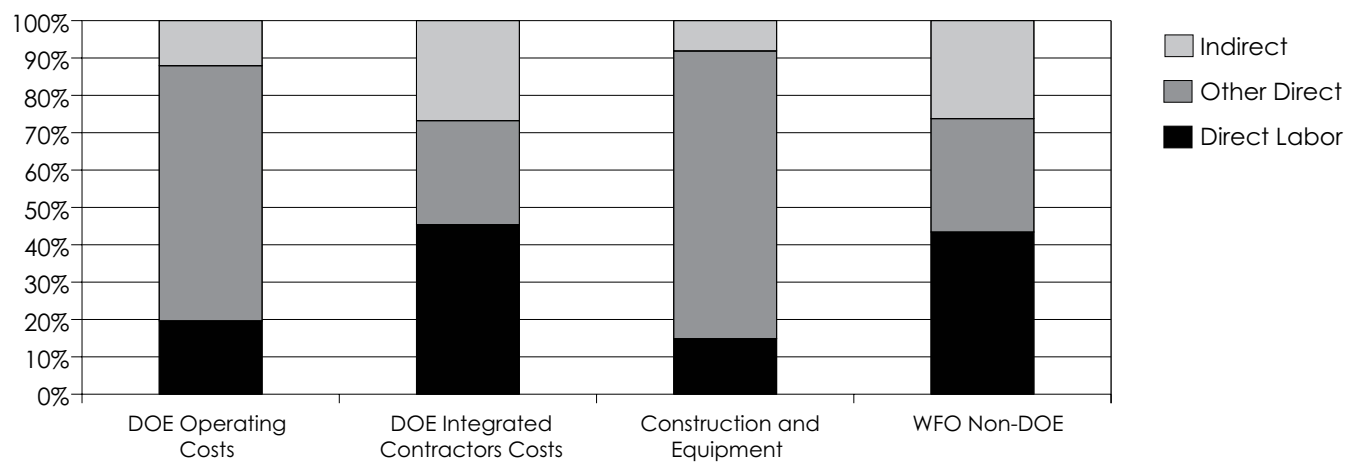


Table 3.3

FY2011 ARRA Funding and Costs by DOE Programs (\$K)

Office of Science ARRA		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING					
KA14	Theoretical Physics	2,331	-	385	1,946
KA15	Advanced Technology R&D	619	-	324	295
KB03	Nuclear Theory	3,028	-	811	2,217
KB04	Low Energy Physics	1,018	-	393	625
KC02	Materials Sciences and Engineering	2,539	-	566	1,973
KG06	Excess Facilities Disposition	0	-	-	0
KJ04	Mathematical, Computational, and Computer Sciences Research	7,439	-	3,252	4,186
KJ05	High Performance Computing and Network Facilities	44,282	5,000	30,659	18,623
KP15	Biological Research	146	(52)	93	1
Total Operating		61,402	4,948	36,484	29,866
CAPITAL EQUIPMENT					
AT50	Fusion Energy Sciences - Science	6,532	-	6,078	455
KA15	Advanced Technology R&D	15,780	-	7,762	8,019
KC02	Materials Sciences and Engineering	5,556	-	4,475	1,081
KJ05	High Performance Computing and Network Facilities	18,717	(5,000)	380	13,336
KP15	Biological Research	1,036	51	1,087	0
Total Capital Equipment		47,621	(4,949)	19,781	22,891
GENERAL PLANT PROJECTS					
KG09	General Plant Projects	3,039	-	357	2,682
Total General Plant Projects		3,039	-	357	2,682
ACCELERATOR IMPROVEMENT PROJECTS					
KB04	Low Energy Physics	1,175	-	847	329
KC02	Materials Sciences and Engineering	5,441	-	990	4,451
Total Accelerator Improvement Projects		6,617	-	1,837	4,779
LINE ITEM CONSTRUCTION					
39KC	Basic Energy Sciences	0	-	-	0
39KG	Science Laboratories Infrastructure	12,116	-	10,685	1,431
Total Line Item Construction		12,116	-	10,685	1,431
TOTAL OFFICE OF SCIENCE ARRA		130,794	(1)	69,145	61,649
Note: Minor variances may occur due to rounding.					

continued...

Table 3.3

FY2011 ARRA Funding and Costs by DOE Programs (\$K) Continued

Assistant Secretary for Energy Efficiency and Renewable Energy ARRA		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING					
BM01	Biomass/Biofuels Energy Systems	6,606	-	3,169	3,436
BR01	EE Departmental Admin, Recovery Act	-	2,300	17	2,283
BT01	Residential Buildings	5,672	-	3,440	2,232
BT02	Commercial Buildings Integration	7,372	-	2,568	4,804
EB36	Facilities and Infrastructure	5	-	-	5
EB40	Geothermal	3,656	-	1,865	1,791
EB51	Energy Efficiency and Renewable Energy Program Direction	3,808	(11)	231	3,566
EL17	Federal Energy Management Program	31	-	31	0
WI07	Weatherization Assistance Program	2,000	-	530	1,470
Total Operating		29,150	2,289	11,853	19,587
CAPITAL EQUIPMENT					
BM01	Biomass/Biofuels Energy Systems	4,700	-	3,195	1,505
Total Capital Equipment		4,700	-	3,195	1,505
LINE ITEM CONSTRUCTION					
39EB	Facilities and Infrastructure	15,609	-	1,151	14,459
Total Line Item Construction		15,609	-	1,151	14,459
TOTAL ASSISTANT SECRETARY FOR ENERGY EFFICIENCY AND RENEWABLE ENERGY ARRA		49,460	2,289	16,199	35,550
Assistant Secretary for Fossil Energy ARRA		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING					
AA30	Sequestration	4,742	-	1,314	3,428
Total Operating		4,742	-	1,314	3,428
Total Assistant Secretary for Fossil Energy		4,742	-	1,314	3,428
Office of Electricity Delivery and Energy Reliability ARRA		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING:					
TD50	Research and Development	2,345	-	589	1,757
Total Operating		2,345	-	589	1,757
TOTAL OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY		2,345	-	589	1,757
Note: Minor variances may occur due to rounding.					

continued...

Table 3.3

FY2010 ARRA Funding and Costs by DOE Programs (\$K) Continued

Assistant Secretary Office of the Chief Financial Officer ARRA		FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
OPERATING					
CJ01	ARPA-E Projects	5,282	-	1,966	3,315
Total Operating		5,282	-	1,966	3,315
TOTAL ASSISTANT SECRETARY OFFICE OF THE CHIEF FINANCIAL OFFICER ARRA		5,282	-	1,966	3,315
Note: Minor variances may occur due to rounding.					

Table 3.4

FY2011 ARRA Funding and Costs by Other Direct Operating Source (\$K)

Funding Source	FY2011 Beginning Uncosted Obligations	FY2011 Funds	FY2011 Costs	FY2011 Ending Uncosted Obligations
REIMBURSABLE WORK FOR OTHER AGENCIES				
Work for Other Federal Agencies				
Department of Defense	205	-	203	2
National Institutes of Health (a)	854	6,182	6,930	105
National Science Foundation (a)	14	-	0	14
Other Energy Related Activities	93	-	48	44
Total Work for Other Federal Agencies	1,166	6,182	7,181	165
Work for Non-Federal Agencies				
Industry (b)	292	919	841	370
State and Local Governments & NPOs	50	425	474	0
Universities and Institutes	251	1,647	1,401	491
Cost of Work for Others Program (WN) (c)	177	513	212	301
Total Work for Non-Federal Agencies	770	3,504	2,927	1,162
TOTAL REIMBURSABLE WORK FOR OTHER AGENCIES	1,936	9,686	10,109	1,327
Work for Other DOE Integrated Contractors				
Work Performed for Other DOE Locations (d)	-	1,924	1,924	-
Total Work for Other DOE Integrated Contractors	-	1,924	1,924	-
Total Other Direct Operating (e)	1,936	11,610	12,032	1,327

Note: Minor variances may occur due to rounding.

(a) FY2011 ARRA, National Institutes of Health (NIH), and National Science Foundation (NSF) awards were obligated to LBNL by DOE as work for a Non-Federal entity to accommodate OMB apportionment requirements for ARRA. For reporting consistency with prior and future years, all NIH and NSF funding and cost data is reflected under the Work for Other Federal Agencies category.

(b) Total Beginning Uncosted Obligations for FY2011 are different than Ending Uncosted Obligations for FY2010 as reported in the FY2010 Annual Report as a result of a Non-Federal Agency Industry Award changing status from Non-ARRA to ARRA. The impact to Beginning Uncosted Obligations for FY2011 is \$33.3K. As a result of this change, the FY2010 Annual Report for the line Work for Non-Federal — Industry is restated as the following: FY2010 Beginning Uncosted Obligations is \$25K, FY2010 Funds is \$399K, FY2010 Costs is \$132 K and FY2010 Ending Uncosted Obligations is \$292K.

(c) Includes funding for Non-Federal Sponsors who are precluded by law from paying an advance under the WN02 program.

(d) Total funding for Work for Other Integrated Contractors is assumed to be equal to cost incurred.

(e) The sum of FY2011 Beginning Uncosted Obligations, FY2011 Funds, minus FY2011 Costs does not equal FY2011 Ending Uncosted Obligations due to various adjustments not reflected in the FY2011 Costs column. Examples of these adjustments include bridge funding, suspense items, and DOE's Federal Administrative Charge. The total of these adjustments for FY2011 is \$9K.

Table 3.5

ARRA Cost Trends by Expense Category, FY2009-FY2011 (\$M and % of Total)

Expenses	FY2009		FY2010		FY2011	
	\$M	%	\$M	%	\$M	%
DIRECT						
Direct Labor						
UC Labor (a)	0.6	5.9%	11.0	10.5%	18.0	17.8%
Contract Labor	0.0	0.0%	0.1	0.1%	0.0	0.0%
Organization Burden (b)	0.1	1.0%	1.9	1.8%	3.0	2.9%
Subtotal Direct Labor	0.8	6.9%	13.0	12.4%	21.0	20.7%
OTHER DIRECT						
Services	8.0	73.1%	48.8	46.7%	47.5	46.9%
Materials	1.6	14.6%	33.4	31.9%	18.5	18.3%
Utilities	0.0	0.0%	0.0	0.0%	0.0	0.0%
Other Expenses (c)	0.0	0.0%	0.2	0.2%	0.2	0.2%
Recharges (b,d)	0.0	0.2%	0.4	0.4%	1.0	1.0%
Travel	0.0	0.2%	0.2	0.2%	0.6	0.6%
Subtotal Other Direct	9.7	88.1%	83.0	79.4%	67.8	67.0%
Total Direct	10.4	95.0%	96.0	91.8%	88.8	87.7%
INDIRECT						
Procurement	0.1	1.3%	1.5	1.4%	1.5	1.5%
Travel	0.0	0.0%	0.0	0.0%	0.1	0.1%
G&A (Other Institutions)	0.4	3.6%	7.0	6.7%	10.9	10.7%
Total Indirect	0.5	5.0%	8.5	8.2%	12.4	12.3%
TOTAL EXPENSES (e)	11.0	100.0%	104.5	100.0%	101.2	100.0%
Note: Minor variances may occur due to rounding. (a) UC Labor includes salary and benefits for Scientists/Engineers, Admin., Students/GSRAs and Campus Labor. (b) Distributed activities used by direct funded programs. (c) Includes miscellaneous expenses (stipends, sales tax, freight, etc.). (d) Includes recharges credited back to direct operating accounts such as ALS and ESnet. (e) Total Costs for FY2010 is different than in the FY2010 Annual Report based on a Work for Other DOE Integrated Contractors award changing status from Non-ARRA to ARRA. The impact to costs for FY2010 is a \$221.9K increase.						

Table 3.6

ARRA Job Reporting

DOE Direct ARRA Project	Quarterly FTE (a)			Life-to-Date Jobs		
	LBNL	Sub-Recipient	Total	Created	Retained	Total
Total DOE Direct ARRA Projects	118.3	45.4	163.7	203.4	1,031.8	1,235.2
Total Other Direct Operating ARRA Projects (b)	35.3	7.0	42.2	88.8	39.3	128.2
LBNL TOTAL	153.6	52.3	205.9	292.2	1,071.1	1,363.4
DOE Direct ARRA Project:						
ALS User Support Building	-	-	-	6.2	114.9	121.1
GPP, Upgrade Building 62	0.4	2.0	2.4	1.6	19.3	20.8
GPP, Upgrade Building 66	-	-	-	2.8	19.5	22.3
GPP, Air Handling Equipment	-	-	-	1.1	11.2	12.3
GPP, Upgrade Building 2	0.1	-	0.1	2.2	17.9	20.1
GPP, Modernize Transformer	-	-	-	4.6	8.6	13.2
Bevatron Demolition	-	-	-	-	25.3	25.3
Seismic Phase 2, 09-SC-72	-	27.6	27.6	5.5	87.6	93.0
Adv. Plasma Accelerator Facility. (BELLA)	13.3	-	13.3	16.6	22.6	39.2
Nuclear Data Program Init.	1.0	-	1.0	-	2.4	2.4
Enh AIP Funding, Injector	2.4	-	2.4	5.5	0.6	6.0
Fed Lab Support for ARRA Trans	-	-	-	1.2	-	1.2
HEP-Adv Tech R&D Augmentation (Magnets)	2.5	-	2.5	4.3	0.5	4.8
Nanoscale Science Research Centers	-	-	-	0.2	25.1	25.3
Enh AIP Funding, RF Amplifier	-	-	-	1.1	-	1.1
Energy Frontier Research Centers	0.0	-	0.0	0.1	-	0.1
HEDLP NDCX-II	6.3	0.5	6.8	22.7	33.0	55.7
ALS Beamline Detectors	1.5	-	1.5	5.0	0.8	5.7
ALS Slice Beamline EPU	-	-	-	6.0	1.8	7.8
ALS Sextupoles Magnets	4.9	-	4.9	5.9	-	5.9
ALS High Field Vector Magnet	1.2	-	1.2	2.8	3.4	6.2
ARPA-E Early Harvest Solicit.	-	-	-	0.1	-	0.1
Joint Genome Institute	-	-	-	-	102.5	102.5
Joint BioEnergy Institute	-	-	-	0.0	39.8	39.8
Advanced Networking Initiative	7.2	-	7.2	10.7	296.4	307.1
Comp. Partnerships (SciDAC-e)	0.8	-	0.8	1.6	-	1.6
Enhance FEMP Service Function	-	-	-	4.6	1.3	5.9
LBNL Magellan Cloud Computing	4.6	-	4.6	9.2	95.0	104.2
Climate100 - ESG to 100 Gbps	-	-	-	1.2	-	1.2
Petascale Initiative	9.0	-	9.0	10.4	-	10.4
Enhanced Geothermal Systems (EGS) with CO ₂ as Heat Transmission Fluid	0.9	2.3	3.1	1.4	2.7	4.1
(a) Represents data reported in Fedreporting.gov for LBNL's FY2011 Q4.						
(b) Other Direct Operating includes Work for Others, Federal sponsors, Non-Federal Sponsors.						

continued...

Table 3.6

ARRA Job Reporting Continued

DOE Direct ARRA Project	Quarterly FTE (a)			Life-to-Date Jobs		
	LBNL	Sub-Recipient	Total	Created	Retained	Total
Coupled Thermal-Hydrological-Mechanical-Chemical Model and Experiments for Optimization of Enhanced Geothermal System Development and Production	1.6	-	1.6	1.9	-	1.9
Fluid Imaging of Enhanced Geothermal Systems through Joint 3D Geophysical Inverse Modeling	1.9	-	1.9	3.4	0.5	3.9
Integrated Approach to Use Natural Chemical and Isotopic Tracers to Estimate Fracture Spacing and Surface Area in EGS Systems	2.2	-	2.2	3.8	-	3.8
National Accounts Acceleration in Support of Commercial Building Initiative	3.3	2.6	6.0	4.9	3.6	8.5
Smart Grid Investment Grant Program	0.5	0.7	1.2	0.7	1.4	2.1
Hospital Energy Benchmarking SysDev	0.5	0.1	0.6	0.4	0.0	0.4
Incorporating EE into Commercial Mortgage Underwriting	1.0	2.3	3.3	1.2	4.2	5.3
Northern California CO ₂ Reduction Project	-	-	-	0.6	-	0.6
Builders Challenge and Existing Home Retrofits	5.6	0.4	6.0	5.3	4.1	9.4
Advanced Biofuels PDU-Bioenergy Research Center Collaboration	3.1	2.4	5.5	2.4	74.0	76.4
Deep Exploratory Test well for CO ₂ Sequestration purposes, Newark Basin- Southern New York and New Jersey	0.3	-	0.3	0.1	0.7	0.8
Residential Home Retrofit Support & Research	2.2	-	2.2	3.0	-	3.0
Home Retrofits Rating Support	2.5	-	2.5	5.8	0.3	6.1
Residential Building Home Retrofit Analysis	1.6	-	1.6	0.7	-	0.7
User Facility for Low Energy Integrated Buildings Systems Research (UTBF)	0.9	0.7	1.7	1.6	5.3	6.9
High Energy Physics- Early Career Research Program	2.3	-	2.3	2.7	-	2.7
Basic Energy Sciences- Early Career Research Program	2.5	-	2.5	2.9	-	2.9
Nuclear Physics-Early Career Research Program	2.3	-	2.3	3.9	0.2	4.1
NP-3D Gamma ray Imaging Technologies	3.2	-	3.2	1.8	-	1.8
ASCR-Comp Partnerships- SciDAC-e-PERC-3-Enhancing Productivity of Materials Discovery computation for Solar fuels and Next Gen. Autotuning Large Computational codes.	0.5	2.1	2.7	0.4	2.2	2.6
Visualization and Analytics Center for Enabling Technologies-VACET	2.4	-	2.4	2.4	-	2.4
Applied Partial Differential Equations Center for Enabling Technologies(APDEC)	0.1	1.5	1.6	0.9	1.1	2.0
Towards Optimal Petascale Simulations-TOPS-SciDAC-e	2.8	-	2.8	2.2	-	2.2
EE Technical Assistance	0.3	-	0.3	0.4	-	0.4
Development of an Integrated Microbial-ElectroCatalytic (MEC) System for Liquid Biofuel Production from CO ₂	3.3	-	3.3	2.2	0.6	2.9
High Throughput Discovery of Robust Metal Organic Frameworks for CO ₂ capture	4.4	-	4.4	5.4	0.2	5.6
(a) Represents data reported in Fedreporting.gov for LBNL's FY2011 Q4.						

continued...

Table 3.6

ARRA Job Reporting Continued

DOE Direct ARRA Project	Quarterly FTE (a)			Life-to-Date Jobs		
	LBNL	Sub-Recipient	Total	Created	Retained	Total
ARRA Evaluation	0.2	-	0.2	0.4	-	0.4
LBNL ARRA Bridge - Evaluation Support	0.1	-	0.1	0.1	-	0.1
Industrial Carbon Capture & Storage: Joint Inversion of Monitoring Data for Early Leakage Detection	3.4	-	3.4	1.5	1.4	2.8
Carbon Capture Simulation initiative-Industrial Carbon Capture and Storage	3.1	-	3.1	2.3	-	2.3
Online Training tool-Weatherization Training and Technical Assistance	2.5	-	2.5	1.7	-	1.7
ARPA E- Hydrogen-Bromine Flow Batteries for Grid-Scale Energy Storage	1.7	-	1.7	1.9	-	1.9
Total DOE Direct ARRA Project	118.3	45.4	163.7	203.4	1,031.8	1,235.2
Other Direct Operating ARRA Project (b)	Quarterly FTE (a)			Life-to-Date Jobs		
	LBNL	Sub-Recipient	Total	Created	Retained	Total
PHENIX FVTX Sensor Backplanes	-	-	-	1.2	-	1.2
PHENIX Station Disks	-	-	-	0.0	-	0.0
Evaluating Benefits of Advanced Metering Infrastructure, Smart Meters and Time-Varying Tariffs	-	-	-	0.9	-	0.9
Knowledgebase R&R Pilot Project	-	-	-	3.5	-	3.5
Knowledge Fusion and Data-Supported Deep Annotation for Reconstruction of Metabolism	-	-	-	-	1.2	1.2
Technical Support for the ARRA Technical Assistance Project (TAP)	0.5	-	0.5	1.3	-	1.3
Optics characterization for LCLS CXI and NIF SXI projects	-	-	-	0.1	-	0.1
Determining Technetium Speciation Using X-ray Absorption Fine Structure (XAFS)	-	-	-	0.1	-	0.1
Interregional Electricity Reliability Issue Assessment and Analysis	0.4	-	0.4	0.4	0.6	1.0
New Technologies, Electricity Demand, and Utility Resource Plans	1.4	0.1	1.5	1.0	0.0	1.0
Technical Assistance to Electric Infrastructure Planners on Other Subjects	0.3	-	0.3	0.6	-	0.6
A Distributed Intelligence Automated Demand Response Building Management System	1.7	-	1.7	0.7	-	0.7
Energy-Efficient and Comfortable Buildings through Multivariate Integrated Control (ECoMIC)	1.0	-	1.0	1.0	-	1.0
Wireless Modular Dimming Lighting Control System	0.8	-	0.8	0.4	-	0.4
Development of High Rate Sequential Coatings for Low Cost Electrochromic Glass	0.8	-	0.8	0.6	-	0.6
ARRA Performance Tracking Metrics	-	-	-	0.0	-	0.0
(a) Represents data reported in Fedreporting.gov for LBNL's FY2011 Q4.						
(b) Other Direct Operating includes Work for Others, Federal sponsors, Non-Federal Sponsors.						

continued...

Table 3.6

ARRA Job Reporting Continued

Other Direct Operating ARRA Project (b)	Quarterly FTE (a)			Life-to-Date Jobs		
	LBNL	Sub-Recipient	Total	Created	Retained	Total
IWO - Battaglia	-	-	-	-	-	-
Automated Continuous Commissioning of Commercial Buildings	0.0	-	0.0	1.4	0.2	1.6
Red Cell Band 4.1--Developmental Changes in RNA Splicing	-	-	-	2.6	2.2	4.8
Red Cell Band 4.1 - Developmental Changes in RNA Splicing	2.1	-	2.1	2.4	-	2.4
Age of Onset and Huntingtons Disease	-	-	-	2.6	0.4	3.0
Age of Onset and Huntingtons Disease	3.1	-	3.1	2.0	-	2.0
In Vivo Analysis of a Noncoding Susceptibility Region for Coronary Artery Disease	1.4	-	1.4	7.0	-	7.0
The Berkeley Cancer Genome Center	-	-	-	0.5	0.8	1.4
Accelerating Cancer Research with Single Cell Arrays	-	-	-	0.3	1.5	1.8
ARRA Development of the Cell Ontology in Support of the Gene Ontology	0.6	-	0.6	3.5	-	3.5
Self-healing Composites via Novel Biomolecular Design and Processing	0.9	-	0.9	2.3	-	2.3
MT Function and Dysfunction in Single Neurons in Vivo	2.2	-	2.2	6.8	0.3	7.1
Comprehensive characterization of the Drosophila transcriptome	0.1	1.5	1.5	0.8	1.8	2.6
Beamline Automation for Structure Determination	-	-	-	0.8	0.7	1.5
Bay Area Breast Cancer and the Environment Research Center	-	-	-	0.9	-	0.9
Mapping Anti-Cancer Drugs Using Advanced X-Ray Microanalysis	0.0	-	0.0	0.2	-	0.2
ARRA Gene Ontology Consortium	1.6	-	1.6	1.6	-	1.6
Genome-Wide Mapping of Chromosomal Proteins in Drosophila	0.6	0.4	1.0	0.1	5.0	5.1
Generation of an In vivo Human Genome Transcriptional Enhancer Dataset	0.3	-	0.3	2.2	-	2.2
Matrix- Based Mineral (MBM) Enamel Biomimetics	-	-	-	0.9	-	0.9
Integrated nanoparticle characterization and toxicity assessment	-	-	-	0.1	-	0.1
Integrated nanoparticle characterization and toxicity assessment	0.0	-	0.0	0.1	-	0.1
Biomimetic Actinide Decorporation: Characterization and Preclinical Development	3.5	4.4	7.9	13.9	11.3	25.2
Manipulating b1 integrin to enhance radiation therapy for breast cancer	0.8	-	0.8	0.6	2.2	2.8
Non-B DNA Structure with Chemical Carcinogens	0.2	-	0.2	0.0	3.1	3.1
(a) Represents data reported in Fedreporting.gov for LBNL's FY2011 Q4.						
(b) Other Direct Operating includes Work for Others, Federal sponsors, Non-Federal Sponsors.						

continued...

Table 3.6

ARRA Job Reporting Continued

Other Direct Operating ARRA Project (b)	Quarterly FTE (a)			Life-to-Date Jobs		
	LBNL	Sub-Recipient	Total	Created	Retained	Total
STCI: Middleware for Monitoring and Troubleshooting of Large-Scale Applications on National Cyberinfrastructure	1.0	-	1.0	7.5	-	7.5
PHENIX: new methods for automation in macromolecular crystallography	0.7	-	0.7	0.4	3.5	3.9
Mismatch Repair and DNA Expansion	0.2	-	0.2	0.4	-	0.4
Production of Advanced Coatings for Solar Cells	-	-	-	0.1	-	0.1
Multidimensional Electrofocusing on Gradient Monoliths	0.6	-	0.6	0.7	-	0.7
A metagenomic study of the Hoatzin crop microbes to reveal novel carbohydrate-active enzymes	-	-	-	-	-	-
National Institute for Computational Sciences (NICS) NSF Center for Remote Data Analysis and Visualization	1.5	-	1.5	1.7	-	1.7
Blind Geothermal System Exploration in Active Volcanic Environments; Multi-phase Geophysical and Geochemical Surveys in Overt and Subtle Volcanic Systems, Hawaii and Maui	0.1	-	0.1	0.4	-	0.4
In-situ protein-protein interaction network isPIN study	-	-	-	0.1	-	0.1
In-situ protein-protein interaction network isPIN study	0.2	-	0.2	0.4	-	0.4
Experiment-Based Model for the Chemical Interactions between Geothermal Rocks, Supercritical Carbon Dioxide and Water	0.4	-	0.4	0.1	-	0.1
Development of Advanced Thermal-Hydrological-Mechanical-Chemical (THMC) Modeling Capabilities for Enhanced Geothermal Systems	0.6	-	0.6	0.3	-	0.3
A New Analytic-adaptive model for EGS assessment, development and management support	0.4	-	0.4	0.6	-	0.6
Optimized Drilling and Completion of Abrasive Slurry Jet Micro-hole Arrays for Efficient Exploitation of Enhanced Geothermal Systems	0.7	-	0.7	1.1	-	1.1
Geochemistry and THMC Models for the Newberry EGS Project	0.2	-	0.2	0.3	-	0.3
Characterizing Fractures in Geysers Geothermal Field by Micro-seismic Data, Using Soft Computing, Fractals, and Shear Wave Anisotropy	0.4	-	0.4	0.5	-	0.5
THMC Modeling of EGS Reservoirs - Continuum through Discontinuum Representations	0.1	-	0.1	0.1	-	0.1
Modeling Li Distribution and its Effect on Anode Protection Layers	0.2	-	0.2	0.4	-	0.4
TCGA Data Analysis Center at Berkeley	0.7	-	0.7	4.7	-	4.7
Enabling Novel Cathode Electrode Design with Integrated Separator and Manufacturing Toolset for High Energy Prismatic Li-ion Battery Cells	1.1	-	1.1	2.1	-	2.1
(a) Represents data reported in Fedreporting.gov for LBNL's FY2011 Q4.						
(b) Other Direct Operating includes Work for Others, Federal sponsors, Non-Federal Sponsors.						

continued...

Table 3.6

ARRA Job Reporting Continued

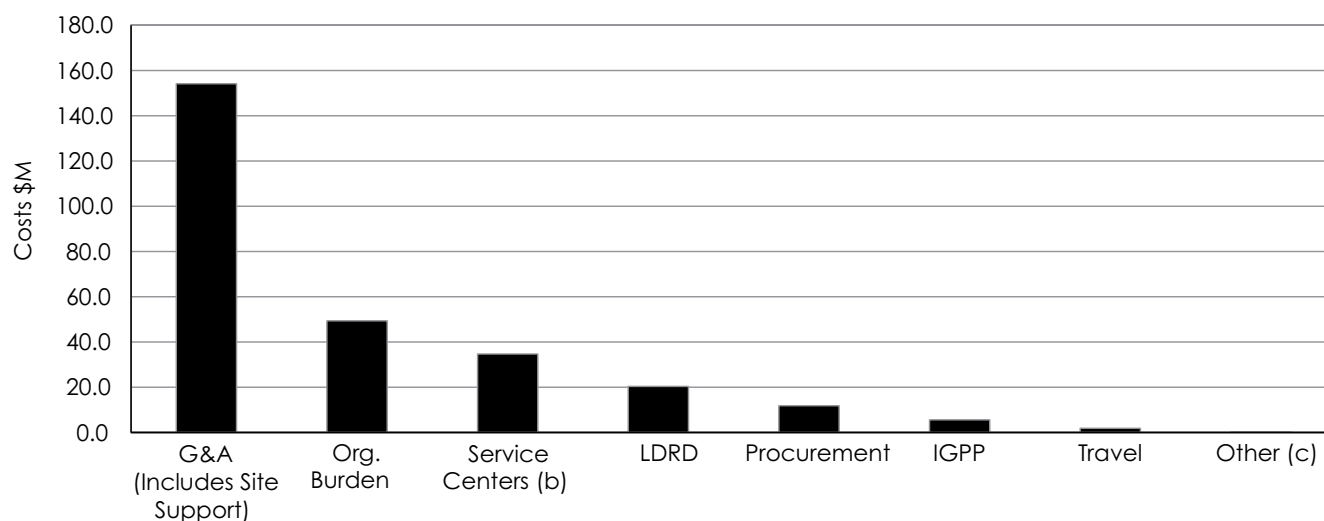
Other Direct Operating ARRA Project (b)	Quarterly FTE (a)			Life-to-Date Jobs		
	LBNL	Sub-Recipient	Total	Created	Retained	Total
Development of an 8kx8k pixel direct detection CMOS camera with single electron counting for cryoEM	-	-	-	-	-	-
Automated Continuous Commissioning of Commercial Buildings	0.1	-	0.1	0.3	-	0.3
Research Services Program - Geochemistry	0.1	-	0.1	0.1	-	0.1
TCGA Data Analysis Center at Berkeley	0.2	0.7	0.9	0.7	0.2	0.9
Innovative Building-Integrated Enthalpy Recovery	0.1	-	0.1	0.3	-	0.3
Novel Functions for Red Cell Proteins Lu and LW	1.3	-	1.3	-	4.3	4.3
Total Other Direct Operating ARRA Projects (b)	35.3	7.0	42.2	88.8	39.3	128.2
Total DOE Direct ARRA Projects	118.3	45.4	163.7	203.4	1,031.8	1,235.2
Total Other Direct Operating ARRA Projects (b)	35.3	7.0	42.2	88.8	39.3	128.2
LBNL TOTAL	153.6	52.3	205.9	292.2	1,071.1	1,363.4
(a) Represents data reported in Fedreporting.gov for LBNL's FY2011 Q4.						
(b) Other Direct Operating includes Work for Others, Federal sponsors, Non-Federal Sponsors.						

4. INDIRECT BUDGETS

Figure 4.1

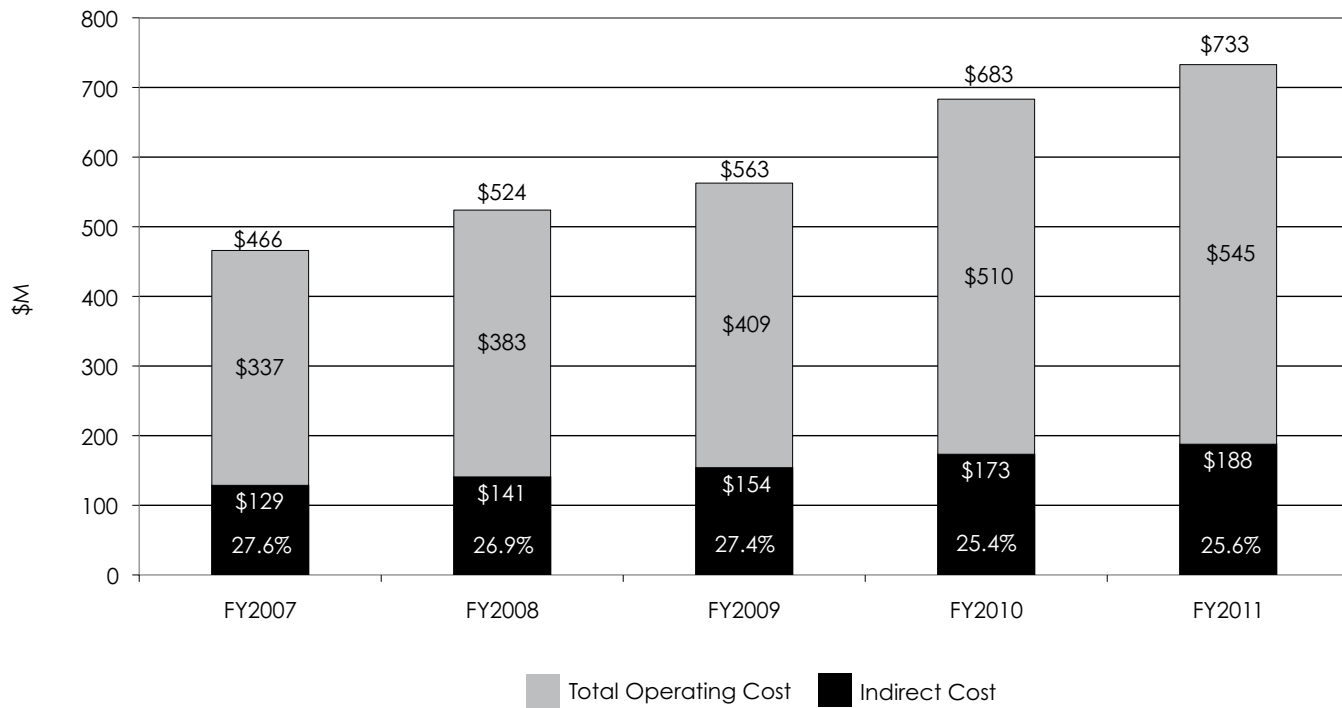
Indirect Budgets — FY2011 Costs (\$M)

Indirect Budgets (a)	FY2011 Costs (\$M)
G&A (Includes Site Support)	154.1
Organization Burden	49.4
Service Centers (b)	34.7
LDRD	20.4
Procurement	11.8
IGPP	5.6
Travel	1.9
Other (c)	0.2
Total	278.0



- (a) Summation of indirect budget provided only to show magnitude of dollars being managed and does not equate to total indirect costs since there are overlaps between indirect budgets. For example, some organization burden costs are included in G&A and Recharges. In FY2011, LDRD cost includes \$5.7M G&A assessed on LDRD projects.
- (b) Service Centers includes recharge cost centers that default to B&R YN01 (project type OHRCH) only.
- (c) Includes: Office of Homeland Security Charge.

Figure 4.2

Institutional Overhead Costs as a Percent of Operating Costs, FY2007 - FY2011

Note: Chart represents the institutional overhead cost structure for each fiscal year with adjustments for indirect double count of G&A on LDRD projects (DOE mandate to apply G&A to LDRD projects beginning FY06). Institutional overhead costs include G&A, LDRD, Site Support, Travel, Procurement, and IGPP. Percent is the percentage of indirect cost to total operating cost.

Table 4.1

Institutional Costs by Division, FY2011 (\$K)

Division	G&A (a)	LDRD (b)	Procurement	Travel	IGPP	Total
Lab Directorate:	14,348					14,348
LDRD (b)		20,367				20,367
Engineering	2,586					2,586
Earth Sciences	130					130
ALD for Operations:						
ALD Office	1,756					1,756
IGPP					5,585	5,585
Non-Cap	11,407					11,407
Work Force Diversity Office	561					561
Public Affairs	3,358					3,358
Human Resources	7,012					7,012
Environmental Health & Safety	26,293					26,293
Facilities	41,898		2,361			44,259
Chief Financial Officer	10,318		9,416	1,842		21,576
Information Technology	27,033		52	13		27,098
Work Planning & Control	285					285
Health, Safety, & Security	46					46
General Lab	7,111					7,111
TOTAL	154,142	20,367	11,828	1,855	5,585	193,777

Note: Minor variances may occur due to rounding.

(a) Includes Site Support & Strategic Planning Support Activities (SPSA).

(b) LDRD costs include \$5.7M of G&A assessment.

Table 4.2

Institutional FTEs Charged by Division, FY2011

Division	G&A (a)	LDRD (b)	Procurement	Travel	IGPP	Total
Lab Directorate:	62.5					62.5
LDRD (b)		92.0				92.0
Engineering	9.4					9.4
Earth Sciences	0.8					0.8
ALD for Operations:						
ALD Office	7.5					7.5
IGPP					7.7	7.7
Non-Cap	12.0					12.0
Work Force Diversity Office	4.5					4.5
Public Affairs	17.7					17.7
Human Resources	44.1					44.1
Environmental Health & Safety	120.3					120.3
Facilities	146.4		20.0			166.4
Chief Financial Officer	71.3		64.1	12.1		147.5
Information Technology	97.9					97.9
Work Planning & Control	0.5					0.5
Health, Safety, & Security	0.2					0.2
General Lab	0.1					0.1
TOTAL	595.2	92.0	84.0	12.1	7.7	791.0

Note: Minor variances may occur due to rounding.

(a) Includes Site Support & Strategic Planning Support Activities (SPSA)

(b) LDRD projects conducted by multiple divisions as reflected in Table 1.3

Figure 4.3

Payroll Burden Summary (\$M)

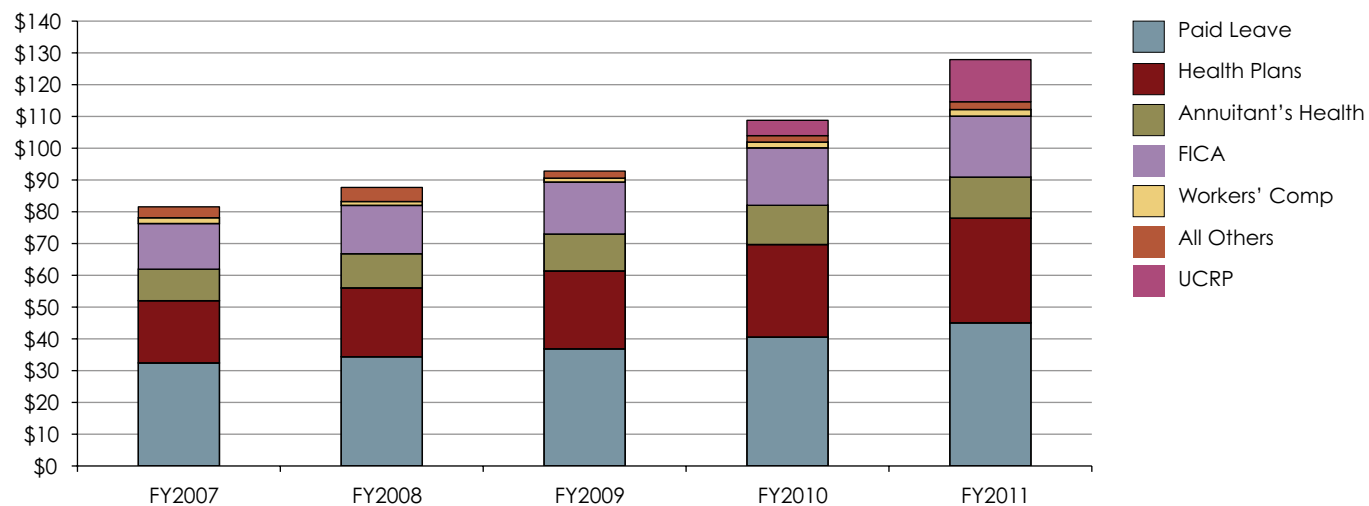


Figure 4.4

Gross Payroll Summary (\$M)

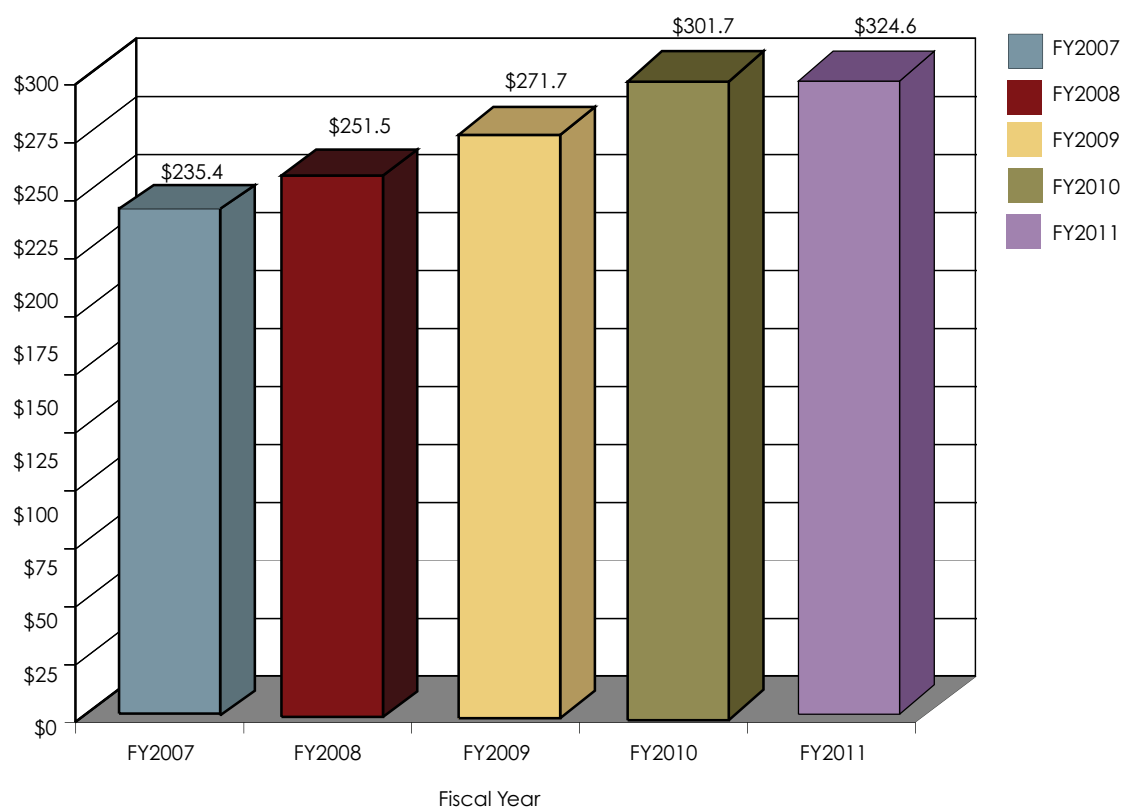


Table 4.3

Organizational Burden Costs and FTEs

Organizational burden includes costs for the management and supervision of division/department activities and is distributed over labor costs including campus and contract labor.

Division Cost Pools	FY2011	
	Cost \$K	Avg FTE
Accelerator & Fusion Research	1,681	10.0
Advanced Light Source	2,350	15.0
Chemical Sciences	1,230	8.3
Computing Sciences	5,713	37.7
Environmental Energy Technology	5,556	33.8
Engineering	4,946	25.8
Earth Sciences	4,151	19.5
Facilities	4,540	26.0
Genomics - Onsite	571	3.6
Information Technology	2,893	14.0
Life Sciences	5,467	41.9
Materials Sciences	3,624	22.0
Nuclear Science	1,756	12.0
Physical Biosciences	3,258	17.8
Physics	1,619	11.0
TOTAL	49,356	298.4
Note: Minor Variances may occur due to rounding.		

Table 4.4

Service Center Costs and FTEs

Certain Laboratory services are provided by recharges that recover operational costs through various cost-allocation mechanisms; e.g., by assigning a dollar value to the work performed (a unit charge based on an hourly rate) or the products produced (unit charge per item).

Division (a)	FY2011	
	Cost \$K	Avg FTE
Accelerator & Fusion Research	183	0.5
Environmental Energy Technology	1,782	11.7
Engineering	1,466	8.0
Facilities	13,556	4.0
Information Technology	7,150	24.3
Life Sciences	743	4.8
Materials Sciences	248	1.9
Physical Biosciences	4,273	0.6
ALD Operations (b)	5,288	12.7
TOTAL	34,690	68.5
<p>Note: Minor Variances may occur due to rounding.</p> <p>(a) Service Centers includes recharge cost centers that default to B&R YN01 (project type OHRCH) only and GSRA pass through costs.</p> <p>(b) Includes: GSRA pass through costs.</p>		

Table 4.5

Distributed Recharges by Resource Category Trends, FY2007 - FY2011 (\$K)

Distributed Recharge (a, b)	FY2007	FY2008	FY2009	FY2010	FY2011
Vehicle	1,190	1,204	1,342	1,028	991
MSD Facility	316	273	310	234	246
Building Manager	151	160	143		
ALS Apartment Recharge	174	177			
Animal Care	408	396	494	549	744
Creative Services	1,357	1,319	1,481	1,582	2,010
88-Inch Accelerator Operations	421	545	444	688	452
JBEI Non-Material Recharge		70	240	252	288
JBEI Material Recharge		1,487	3,742	3,642	4,034
Telephone Services	4,080	3,980	4,408	4,687	5,064
EETD Recharge	1,065	1,106	1,187	1,495	1,784
Molecular Foundry	138	171	81	197	213
Computer/Net Recharges	4,376	2,733	2,605	2,415	2,244
Engineering Shop	839	951	927	932	918
CAD	636	647	654	731	731
ALS Proprietary Recharge	693	776	764	872	646
HTA Non-Material Recharge	38	49	13		
HTA Material Recharge	60	53	32		
JGI Recharge (Capillary Sequencing) (c)	12,316	10,887	10,352	1,149	27
JGI Recharge (Synthesis Sequencing)	34				
JGI WFO Administrative Charge	102	183	319	223	260
ESnet Recharge	3,460	3,307	1,164	974	1,192
Electricity	7,307	8,382	9,106	9,855	12,576
Mixed Waste Recharge/GL	6	3	10	2	9
Conference Recharge	60				
GSRA - Material Recharge			2,549	2,554	3,350
GSRA - Non-Material Recharge			1	1	1
Low Background Facility	31	67	72	45	45
TOTAL RECHARGES	39,258	38,927	42,440	34,108	37,824

Note: Minor variances may occur due to rounding.

(a) Includes recharges credited back to direct operating accounts such as ALS, ESnet, JGI, etc.

(b) Does not include Procurement and Travel recharges.

(c) Capillary Sequencing platform phased out in FY2010.

5. FINANCIAL STATEMENT

Table 5.1

Balance Sheet Comparative Statement of Financial Position (in \$K)

	FY2011	FY2011
ASSETS:		
Current Assets		
Accounts Receivable (Note 2)	\$ 5,371	\$ 5,031
Inventories (Note 3)	442	403
Other Current Assets (Note 4)	252	86
Total Current Assets	6,065	5,520
Net Plant and Equipment (Note 5)	683,626	694,242
Total Assets	689,691	699,762
LIABILITIES AND EQUITY:		
Liabilities:		
Current Liabilities		
Drafts Payable (Note 6)	1,723	(1,607)
Accounts Payable	66,562	73,157
Accrued Expenses	48,346	30,594
Other	30,567	39,816
Total Current Liabilities	147,198	141,960
Post-Retirement Benefits (Note 10)	631,002	659,965
Environmental Liabilities (Note 7 & 10)	601,317	652,075
Capital Lease Liability (Note 8)	48	0
ES&H Liability (Note 9)	363,780	349,770
Pension Plan Liability (Note 10)	568,323	484,825
Total Liabilities	2,311,668	2,288,595
DOE Equity:		
Beginning Equity	(1,525,695)	(1,621,977)
Change in Equity	(96,282)	33,144
Ending Equity	(1,621,977)	(1,588,833)
TOTAL LIABILITIES AND EQUITY	689,691	699,762

Summary of Significant Accounting Policies

Basis of Presentation

These financial statements have been prepared to report the financial position and results of operations of LBNL. They have been prepared from the books and records of the Laboratory in accordance with LBNL's accounting policies which are summarized in this note.

Reporting Entity

The Laboratory is a national research facility operated by UC for DOE under the terms of Contract DE-AC02-05CH11231 (Contract 31). The Laboratory's reporting entity status is that of an integrated contractor, meaning LBNL's accounts are integrated with those of DOE through the use of reciprocal accounts. All of the assets and liabilities are owned by the Federal Government.

Basis of Accounting

The financial records of the Laboratory conform with generally accepted accounting principles (GAAP) and cost accounting standards (CAS) when they do not conflict with the provisions of the DOE accounting directives for Management and Operating (M&O) Contractors and are in compliance with Contract 31 between UC and DOE.

Financial Sources

The Laboratory receives funding from DOE in accordance with the provisions of Contract 31. The Laboratory receives authorizations to incur costs and conduct operations through modifications to the contract.

Reimbursable work is performed for Federal and non-Federal entities. Costs are recorded and billed to the requesting entity by the Laboratory on behalf of DOE. Cash collected from these billings is transmitted to the U.S. Department of the Treasury and deposited in the DOE account. Non-Federally funded work performed at LBNL must be funded in advance.

Letter of Credit

The Laboratory received authority for expenditures according to a checks-paid letter of credit from the U.S. Department of the Treasury; Letter of Credit Contract Number DE-AC02-05CH11231 with Wells Fargo Bank effective April 1, 2007 to March 31, 2011, with the one year extension option exercised and set to expire on March 31, 2012.

Inventories

The Laboratory uses a perpetual inventory system for all inventories. An annual physical inventory is performed according to a cyclical sampling plan approved by DOE. Stores inventories and precious metals are valued and charged based on a moving average costing method. Special materials are valued by DOE.

Property, Plant, and Equipment

Property, plant, and equipment are purchased, constructed, or fabricated in-house and include major modifications or improvements. These items are capitalized if they have an anticipated service life of two years or more and cost \$50K or more. Costs of construction and fabrication are capitalized as construction/fabrication work in process. Upon completion, or beneficial occupancy, the value is transferred to the appropriate fixed-assets account. Depreciation is computed using the straight-line method over the estimated useful life of the asset.

Effective October 1, 2011, DOE approved the increase in the capitalization threshold to \$500K with an anticipated service life of two years or more.

Liabilities

Liabilities represent the amount of monies that are likely to be paid by the Laboratory as a result of transactions or events that have already occurred. Liabilities cannot be incurred by LBNL without an authorized appropriation, except for approved unfunded liabilities.

Accrued Annual, Sick, and Other Leave

Laboratory policy provides for employees' annual vacation benefits ranging from 10 to 16 hours per month, depending upon years of service. Employees may accumulate vacation up to two times their annual leave. Upon retirement or termination, the employee is paid 100% of accumulated vacation pay.

Each employee accumulates sick leave at a rate of eight hours per month. Unused sick leave accumulates until it is used. If an employee terminates before using sick leave, the benefit is forfeited without liability to the Laboratory. Retiring employees are allowed to apply unused sick leave toward additional years of service.

Note 1

Summary of Significant Accounting Policies Continued

Retirement Plan

Most University career employees are participants in the UC Retirement System (UCRS). UCRS consists of a basic defined benefit plan and two voluntary plans composed of several investment funds that are funded with University and employee contributions.

Note 2

Accounts Receivable

The following were included in accounts receivable (\$K):

	FY2010	FY2011
Trade Receivables	737	1,275
Inter-DOE Operations Offices (outside local field office)	1,143	747
Intra-DOE Operations Offices (within local field office)	238	174
Employees	68	11
Parent Organization (UC)	(3,524)	(3,918)
Reimbursements - Federal Agencies	6,713	6,743
Allowance for Doubtful Accounts	(4)	(1)
Total Accounts Receivable – September 30	5,371	5,031

Note 3

Inventories

The following were included in inventories (\$K):

	FY2010	FY2011
Nuclear Materials	26	23
Precious Metals and Other Special Materials	114	204
Stores Inventories	311	185
Allowance for Loss on Stores	(9)	(9)
Total Inventories – September 30	442	403

Note 4

Other Current Assets

The following were included in other current assets (\$K):

	FY2010	FY2011
Prepayments	247	86
Security Deposits	5	0
Total Other Current Assets – September 30	252	86

Note 5

Net Plant and Equipment

The following were included in net plant and equipment (\$K):

Category	Plant & Equipment Costs		Accumulated Depreciation		Net Plant & Equipment	
	FY2010	FY2011	FY2010	FY2011	FY2010	FY2011
Structure, Facilities, & LI	339,446	398,291	176,462	177,578	162,984	220,713
Equipment	437,048	526,863	294,042	385,490	143,006	141,373
Leasehold Improvement	25,255	25,255	18,549	18,969	6,706	6,286
Utilities	55,219	55,219	37,719	38,596	17,500	16,623
Reactors & Accelerators	147,569	155,267	121,059	133,765	26,510	21,502
Work in Process	306,810	287,745	-	-	306,810	287,745
Assets Under Capital Lease	46,922	-	26,812	-	20,110	-
Total Net Plant and Equipment - September 30	1,358,269	1,448,640	674,643	754,398	683,626	694,242

Utilities were adjusted for FY'10 and FY'11 to include all utility related costs. FY'10 equipment was reduced by \$23M of utility related costs.

Note 6

Drafts Payable

The following is an analysis of drafts payable (\$K):

	FY2010	FY2011
Balance - October 1	(9,673)	1,723
Deposits:		
Payments Vouchers - Letter of Credit	(776,246)	(814,534)
Miscellaneous Receipts	(69,926)	(63,662)
Disbursements	857,568	874,866
Drafts Payable Balance - September 30	1,723	-1,607

Note 7

Environmental Liability

The estimated remaining cost of remediation of environmentally contaminated facilities at LBNL is recorded as a liability. The Environmental Management liability is based on baseline life-cycle cost estimates prepared with the DOE Site Office with updates for subsequent changes

pursuant to DOE's established change control process. The Active Facilities liability is based on cost estimates generated for facilities reported in the Facility Information Management System. The funded portion of the liability is \$707K and is included in Other Current Liabilities.

The following are included in the unfunded portion of the environmental liability (\$K):

	FY2010	FY2011
Active Facility	528,114	571,083
Long Term Stewardship	44,580	52,187
Contaminated Media	28,382	28,703
Excess Material	241	102
Total Unfunded Environmental Liability - September 30	601,317	652,075

Note 8

Capital Leases

LBNL has fully paid the capital leases for a Cray Supercomputer, and network equipment.

Note 9

Environment, Safety and Health (ES&H) Liability

The ES&H Liability is based on ES&H compliance activities reported annually through the ES&H Management Plan that are necessary to bring facilities and operations into compliance with existing environmental, safety, and

health laws and regulations, excluding activities included in the Environmental Liability. The following are the ES&H liability (\$K):

	FY2010	FY2011
Total ES&H Liability – September 30	363,780	349,770

Note 10

Year-end Adjustments

Subsequent to the Laboratory financials, DOE made adjustments for final environmental, post-retirement and pension plan liabilities. These amounts will be reflected in the Laboratory's actuals for October and November 2011. Both the pension and post-retirements liabilities

were negatively impacted by reduced discount rates, less than favorable asset returns and additional experience expenses. These adjustments are the result of coordination and approval by both DOE and UC. The following is the adjusted balance sheet for FY2011.

	FY2011	Year-end Adjustments	Adjusted FY2011
ASSETS:			
Current Assets			
Accounts Receivable (Note 2)	\$ 5,031	0	\$ 5,031
Inventories (Note 3)	403	0	403
Other Current Assets (Note 4)	86	0	86
Total Current Assets	5,520	0	5,520
Net Plant and Equipment (Note 5)	694,242	0	694,242
Total Assets	699,762	0	699,762
LIABILITIES AND EQUITY:			
Liabilities:			
Current Liabilities			
Drafts Payable (Note 6)	(1,607)	0	(1,607)
Accounts Payable	73,157	0	73,157
Accrued Expenses	30,594	0	30,594
Other	39,816	0	39,816
Total Current Liabilities	141,960	0	141,960
Post-Retirement Benefits (Note 10)	659,965	82,974	742,939
Environmental Liabilities (Note 7 & 10)	652,075	(6,772)	645,303
Capital Lease Liability (Note 8)	0	0	0
ES&H Liability (Note 9)	349,770	0	349,770
Pension Plan Liability (Note 10)	484,825	265,482	750,307
Total Liabilities	2,288,595	341,684	2,630,279
DOE Equity:			
Beginning Equity	(1,621,977)	0	(1,621,977)
Change in Equity	33,144	(341,684)	(308,540)
Ending Equity	(1,588,833)	(341,684)	(1,930,517)
TOTAL LIABILITIES AND EQUITY	699,762	0	699,762

6. PROCUREMENT & PROPERTY MANAGEMENT

Table 6.1

Requisitions Submitted by Laboratory Divisions

Division	# Requisitions	Estimate (\$K)
Accelerator & Fusion Research	2,775	7,387
Advanced Light Source	3,616	9,498
Chief Financial Officer	1,684	30,502
Chemical Sciences	2,374	4,465
Computational Research	658	65,231
Computing Sciences	599	1,739
Environmental Energy Technologies	5,871	35,342
Engineering	1,132	3,608
Environment, Health & Safety	1,782	8,833
Earth Sciences	4,359	11,443
Facilities	3,960	105,967
Genomics	2,636	41,940
Human Resources	426	4,128
Information Technology	1,851	14,305
Laboratory Directorate	520	930
Life Sciences	8,035	14,033
Material Sciences	10,101	18,703
NERSC	425	36,162
Nuclear Science	1,422	6,260
Operations	195	7,871
Public Affairs	296	632
Physical Biosciences	7,020	24,389
Physics	1,271	9,580
Totals	63,008	\$462,948
Note: Minor variances may occur due to rounding.		

Table 6.2

Purchases Placed Using Purchase Orders/Subcontracts

	(\$K)	# Actions
Total POs	\$411,365	49,566
\$0 - \$2,500	\$13,068	44,050
\$2,500 - \$10,000	\$14,006	2,649
\$10,000 - \$25,000	\$19,623	1,202
\$25,000 - \$100,000	\$59,489	1,156
\$100,000 - \$1,000,000	\$120,041	461
\$1,000,000 +	\$185,138	48

Table 6.3

Purchases Placed Using P-Card

	(\$K)	# Actions
Total POs	\$16,241	16,183
\$0 - \$500	\$1,884	9,548
\$500 - \$1,000	\$1,923	2,723
\$1,000 - \$2,500	\$3,612	2,275
\$2,500 - \$5,000	\$3,697	1,048
\$5,000 +	\$5,125	589

Table 6.4

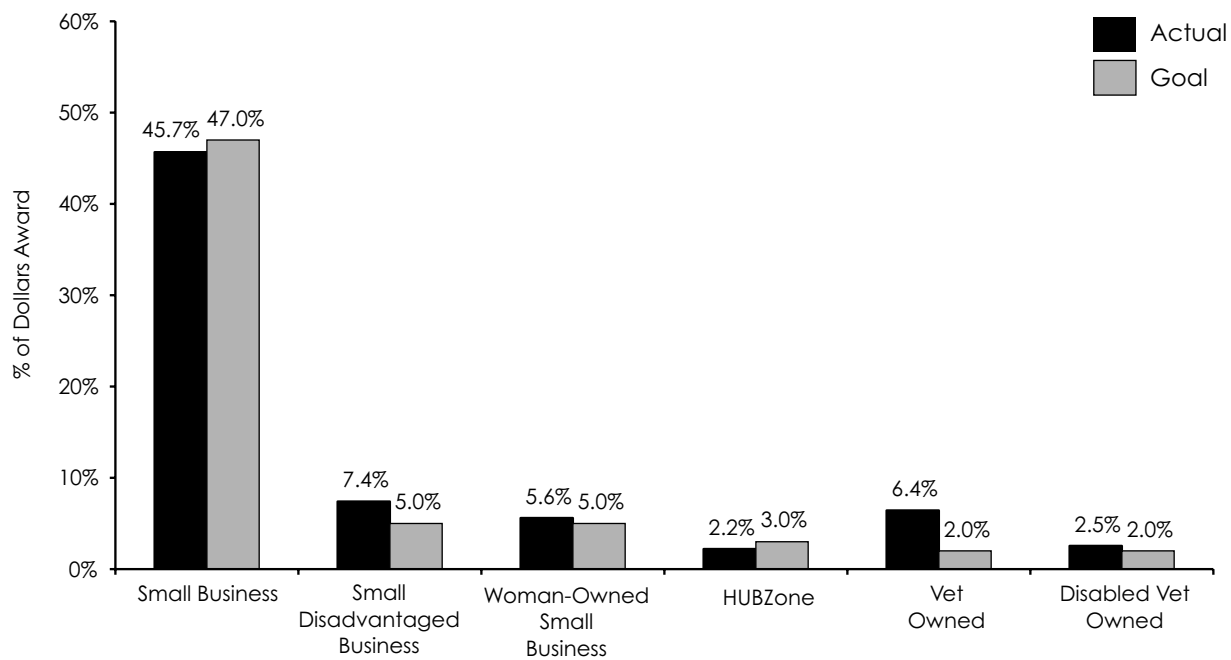
Laboratory Socioeconomic Performance

Table 6.5

Property Management Activity

	# of Assets	Acquisition Value (\$K)	
Equipment	10,302	551,281	
Sensitive Assets	21,364	54,996	
High Risk	9	142,512	
Total Assets	31,675	748,789	
	# of Assets	Acquisition Value (\$K)	
Computers Laptops	4,749	9,431	
Computer Desktops	7,629	17,268	
Total Computers	12,378	26,699	
Inventory campaign	Base	Positive Resolutions	% Positive
Controlled	60	60	100.00
Sensitive	2,160	2,159	99.99
High Risk	9	9	100.00
Validation Size	99	99	100.00
Assets Scanned	2,000	1,929	96.45
Division	Asset Count	Asset Value (\$K)	
Accelerator & Fusion Research	1,391	39,444	
Advanced Light Source	2,301	181,430	
Chief Financial Officer	366	436	
Chemical Sciences	1,304	27,714	
Computational Research	1,745	27,482	
Computing Sciences	112	2,658	
Environmental Energy Technologies	2,197	22,763	
Engineering	1,151	13,219	
Environment, Health & Safety	618	3,034	
Earth Sciences	1,696	17,906	
Excess Turn-In Center	309	1,894	
Facilities	1,193	6,595	
Genomics	1,896	35,968	
Human Resources	171	213	
Information Technology	2,683	16,425	
Laboratory Directorate	185	259	
Life Sciences	2,387	36,132	
Materials Sciences	3,854	118,092	
NERSC	1,201	66,225	
Nuclear Science	937	39,164	
Operations	33	49	
Public Affairs	215	340	
Physical Biosciences	2,819	39,108	
Physics	911	52,239	
Total Assets	31,675	748,789	

7. Acronyms and Key Terms

AFRD	Accelerator and Fusion Research Division
ALS	Advanced Light Source
ANL	Argonne National Laboratory
ARPA-E	Advanced Research Projects Agency-Energy
ARRA	American Recovery and Reinvestment Act of 2009
A/S	Assistant Secretary (DOE)
B&R	Budget and Reporting
BA	Budget Authority
BES	Basic Energy Sciences
BNL	Brookhaven National Laboratory
BSC	Business Systems Committee
CAD	Computer Aided Design
CFO	Chief Financial Officer
CRADA	Cooperative Research and Development Agreement
DARHT	Dual Axis Radiographic Hydrodynamic Test
DNA	Deoxyribonucleic Acid
DOD	Department of Defense
DOE	Department of Energy
DOI	Department of Interior
EERE	Energy Efficiency and Renewable Energy
ERWM	Environmental Restoration and Waste Management
EH&S	Environment, Health, and Safety
ESnet	Energy Sciences Network
FNAL	Fermi National Accelerator Laboratory
FTE	Full-Time Equivalent
FY	Fiscal Year (Oct. 1 through Sept. 30)
G&A	General and Administrative
G/L	General Ledger
GSO	Goods and Services on Order
HR	Human Resources
HWC	Hazardous Waste Charge
HZE	High-Z High-Energy
I-MANAGE	Integrated Management Navigation System
IC	Integrated Contractors

ICO	Integrated Contractor Order
IT	Information Technology
LANL	Los Alamos National Laboratory
LBF	Low Background Facilities
LBNL	Lawrence Berkeley National Laboratory
LDRD	Laboratory Directed Research and Development
LLNL	Lawrence Livermore National Laboratory
M&O	Management & Operating
NASA	National Aeronautics and Space Administration
NERSC	National Energy Research Scientific Computing Center
NIH	National Institutes of Health
NNSA	National Nuclear Security Administration
O&M	Operations & Maintenance
OASDI	Old Age, Survivors and Disability Insurance
OCFO	Office of the Chief Financial Officer
OHRCH	Overhead Recharge
ORNL	Oak Ridge National Laboratory
OSPPI	Office of Sponsored Projects and Industry Partnerships
PLF	Paid Leave Factor
PNNL	Pacific Northwest National Laboratory
PPPL	Princeton Plasma Physics Laboratory
R&D	Research and Development
SLAC	Stanford Linear Accelerator Center
SNAP	SuperNova Acceleration Project
SNL	Sandia National Laboratories
STARS	Standard Accounting and Reporting System
UC	University of California
WFO	Work for Others

Key Terms

Throughout this document, \$K means dollars in thousands, \$M means dollars in millions, and \$B means dollars in billions.

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